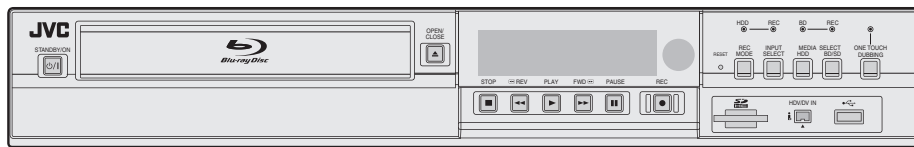# JVC

BLU-RAY DISC & HDD RECORDER

SR-HD1700US/SR-HD1350US/ SR-HD1700EU/SR-HD1350EU/ SR-HD1700ER/SR-HD1700AG

INSTRUCTIONS

For Customer Use:

Enter below the Model No. and Serial No. which is located on the body. Retain this information for future reference.

Model No. _____

Serial No. _____

Please read the following before getting started:

Thank you for purchasing this product.
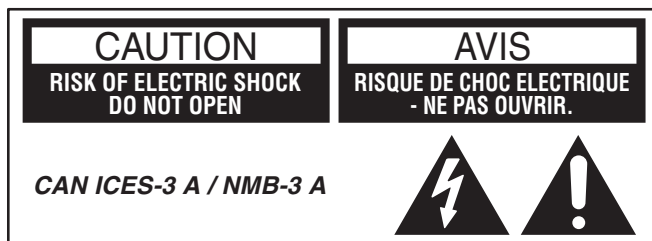Before operating this unit, please read the instructions carefully to ensure the best possible performance.

Safety Precaution

Dear Customer,
Thank you for purchasing the JVC BLU-RAY DISC & HDD recorder. Before use, please read the safety information and precautions to ensure safe use of your new unit.

Cautions

CAUTION	AVIS
RISK OF ELECTRIC SHOCK DO NOT OPEN	**RISQUE DE CHOC ELECTRIQUE - NE PAS OUVRIR.**

CAN ICES-3 A / NMB-3 A

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION:
A UNIT IS A CLASS 1 LASER PRODUCT. HOWEVER THIS UNIT USES A VISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE UNIT CORRECTLY AS INSTRUCTED.

WHEN THIS UNIT IS PLUGGED INTO THE WALL OUTLET, DO NOT PLACE YOUR EYES CLOSE TO THE OPENING OF THE DISC TRAY AND OTHER OPENINGS TO LOOK INTO THE INSIDE OF THIS UNIT.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

MISE EN GARDE:
CET APPAREIL EST UN PRODUIT LASER DE CLASSE 1. CEPENDANT, CET APPAREIL UTILISE UN FAISCEAU LASER VISIBLE QUI PEUT ENTRAÎNER UNE EXPOSITON DANGEREUSE AUX RAYONNEMENTS. S'ASSURER DE FAIRE FONCTIONNER L'APPAREIL CORRECTEMENT, EN RESPECTANT LES INSTRUCTIONS.

LORSQUE CET APPAREIL EST BRANCHÉ À UNE PRISE MURALE, NE PAS PLACER SES YEUX PRÈS DE L'OUVERTURE DU TIROIR POUR DISQUE OU D'AUTRES OUVERTURES DANS LE BUT D'OBSERVER L'INTÉRIEUR DE L'APPAREIL.

L'UTILISATION DES COMMANDES, RÉGLAGES OU PROCÉDURES DE PERFORMANCE AUTRE QUE CELLE SPÉCIFIÉE DANS CE DOCUMENT RISQUE D'ENTRAÎNER UNE EXPOSITION DANGEREUSE AUX RAYONNEMENTS.

L'UTILISATEUR NE DOIT PAS OUVRIR NI RÉPARER L'APPAREIL DE LUI-MÊME. FAIRE APPEL À UN PERSONNEL QUALIFIÉ POUR L'ENTRETIEN.

CLASS 1 LASER PRODUCT
REPRODUCTION OF LABELS
WARNING LABEL INSIDE OF THE UNIT

CAUTION	CLASS 3B VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO THE BEAM.
ATTENTION	RADIATIONS LASER VISIBLES ET INVISIBLES DE CLASSE 3B QUAND OUVERT. ÉVITEZ TOUT EXPOSITION AU FAISCEAU.
ADVARSEL	KLASSE 3B SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSÆTTELSE FOR STRÅLING.
VARNING	KLASS 3B SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. UNDVIK ATT UTSÄTTA DIG FÖR STRÅLEN.
VORSICHT	BEI GEÖFFNETER ABDECKUNG IST SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG DER KLASSE 3B IM GERÄTEINNEREN VORHANDEN. NICHT DEM LASERSTRAHL AUSSETZEN!
PRECAUCIÓN	CUANDO SE ABRE HAY RADIACIÓN LÁSER DE CLASE 3B VISIBLE E INVISIBLE. EVITE LA EXPOSICIÓN A LOS RAYOS LÁSER.
VARO!	AVATTAESSA OLET ALTTIINA NÄKYVÄLLE JA NÄKYMÄTTÖMÄLLE LUOKAN 3B LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.

注意 ここを開くと CLASS 3B の可視レーザ光及び不可視レーザ光が出ます。ビームを直接見たり、触れたりしないこと。

DRW2382 - A

This unit apply to the standard " IEC60825-1:2007" for laser products.

WARNING:
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

CAUTION:
This unit should be used with AC 120V ∿, 60Hz only.
To prevent electric shocks and fire hazards, DO NOT use any other power source.

CAUTION:
TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION:
POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

Note to CATV system installer:
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

"WARNING" and the following or equivalent. "To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture."

"ATTENTION" et suivant ou équivalent. "Pour limiter les risques d'incendie ou d'électrocution, n'exposez pas cet appareil à la pluie ou à l'humidité."

A warning that an apparatus with CLASS I construction shall be connected to a MAINS socket outlet with protective earthing connection.

Avertissement: un appareil de CLASSE I doit être branché à une prise SECTEUR comprenant une mise à la terre de protection.

WARNING
Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

When the main plug or appliance coupler shall remain readily operable.

IMPORTANT SAFETY INSTRUCTIONS

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Failure to heed the following precautions may result in damage to the unit, remote control or disc/cassette.

1. <u>**DO NOT**</u> **place the unit —**
   — in an environment prone to extreme temperatures or humidity.
   — in direct sunlight.
   — in a dusty environment.
   — in an environment where strong magnetic fields are generated.
   — on a surface that is unstable or subject to vibration.
2. <u>**DO NOT**</u> **block the unit's ventilation openings or holes.**
   (If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
3. <u>**DO NOT**</u> **place heavy objects on the unit or remote control.**
4. <u>**DO NOT**</u> **place anything which might spill on top of the unit or remote control.**
   (If water or liquid is allowed to enter this equipment, fire or electric shock may be caused.)
5. <u>**DO NOT**</u> **expose the apparatus to dripping or splashing.**
6. <u>**DO NOT**</u> **use this equipment in a bathroom or places with water.** Also <u>**DO NOT**</u> place any containers filled with water or liquids (such as cosmetics or medicines, flower vases, potted plants, cups, etc.) on top of this unit.
7. <u>**DO NOT**</u> **place any naked flame sources, such as lighted candles, on the apparatus.**
8. <u>**AVOID**</u> **violent shocks to the unit during transport.**

CAUTION:
Changes or modifications not approved by JVC could void user's authority to operate the equipment.

This device complies with Part 15 of FCC Rules.
Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

"This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.
Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense."

When the equipment is installed in a cabinet or a shelf, make sure that it has sufficient space on all sides to allow for ventilation (10cm or more on both sides, on top and at the rear).

When discarding batteries, environmental problems must be considered and the local rules or laws governing the disposal of these batteries must be followed strictly.
Use the supplied power cord.
(If not, fire or electric shock may be caused.)
DON'T continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way—switch off, withdraw the mains plug and consult your dealer.
DO be careful with glass panels or doors on equipment.
DO consult you dealer if you are ever in doubt about the installation, operation or safety of your equipment.
NEVER let anyone especially children push anything into holes, slots or any other opening in the case—this could result in a fatal electrical shock.

MOISTURE CONDENSATION
Moisture in the air will condense on the unit when you move it from a cold place to a warm place, or under extremely humid conditions—just as water droplets form on the surface of a glass filled with cold liquid. In conditions where condensation may occur, disconnect the unit's power plug from the wall and keep it disconnected for a few hours to let the moisture dry, then turn on the unit.

Safety Precaution

DOLBY
TRUE HD
DIGITAL PLUS

dts-HD
Master Audio | Essential

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- "AVCHD" and the "AVCHD" logo are trademarks of Panasonic Corporation and Sony Corporation.
- Windows and Internet Explorer are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Mac OS is trademark of Apple Inc., registered in the U.S. and other countries.
- This product is licensed under the AVC patent portfolio license and VC-1 patent portfolio license for the personal and non-commercial use of a consumer to (i) encode video in compliance with the AVC Standard and VC-1 Standard ("AVC/VC-1 Video") and/or (ii) decode AVC/VC-1 Video that was encoded by a consumer engaged in a personal and non-commercial activity and/or was obtained from a video provider licensed to provide AVC/VC-1 Video. No license is granted or shall be implied for any other use. Additional information may be obtained from MPEG LA, LLC. See http://www.mpegla.com.

Batteries—Incorrect use of batteries may cause the batteries to burst or ignite. A leaky battery may corrode the equipment, dirty your hands or spoil your clothing. In order to avoid these problems, make sure to observe the precautions below:
- Use the specified batteries only.
- Install the batteries with due attention to the plus (+) and minus (-) sides of the batteries according to the instructions in the compartment.
- Do not mix old and new batteries.
- Do not mix batteries of different types. Voltage specifications of batteries of the same shape may vary.
- Replace an exhausted battery with a new one promptly.
- If you will not use the remote control for a long time, remove the batteries.
- If leaked battery fluid gets on your skin or clothing, rinse immediately and thoroughly. If it gets into you eye, bathe your eye well rather than rubbing and seek medical treatment immediately. Leaked battery fluid that gets into your eye or your clothing may cause a skin irritation or damage your eye.
- Do not put the batteries in a place where young children can reach.

DISCLAIMER OF LIABILITY

JVC shall not be liable for any loss relating to the unit's failure to properly record, store or playback any content (video, audio or otherwise) for any reason whatsoever. Any applicable warranties shall only cover replacement or repair of the effected unit, and shall not apply to recovery or replacement of lost content.

ATTENTION:
- Using a mobile phone in the vicinity of the unit may cause picture vibration on the TV screen or change the screen to a black back display.
- Some TVs or other appliances generate strong magnetic fields. Do not place such appliances on top of the unit as it may cause picture disturbance.
- When moving the product, press ⏻/I to turn off the power, and wait at least 30 seconds before unplugging the power cord. Then, wait at least 2 minutes before moving the product.
- If there is a power outage when using the unit, the recorded data may be erased.
- It is recommended to back up discs which contain important recordings periodically (every few years). As digital signals do not deteriorate, failure to play back or record might arise due to the effects of the disc aging through the years depending on the storage environment.
- Recorded programs and data cannot be restored once the disc or tape is damaged.

- This unit can play back and record only NTSC signals.
- The hard disk is a consumable item. Replacement is recommended after 10000 hours of use (if use in a 25°C environment). For information on maintenance planning and costs, consult your nearest JVC dealer.
- The fan motor is a consumable item. Replacement is recommended after 30000 hours of use (if use in a 25°C environment). For information on maintenance planning and costs, consult your nearest JVC dealer.

HOW TO USE THIS INSTRUCTION MANUAL

- All major sections and subsections are listed in the Table Of Contents on page 8. Use this when searching for information on a specific procedure or feature.
- The ☞ mark signals a reference to another page for instructions or related information.
- Operation buttons necessary for the various procedures are clearly indicated through the use of illustrations at the beginning of each major section.

BEFORE YOU INSTALL YOUR NEW UNIT . . .

. . . please read the sections/literature listed below.
- "Cautions" on page 2
  "IMPORTANT SAFETY INSTRUCTIONS" on page 3 to 4

The rating plate and the safety caution are on the rear of the unit.

WARNING : DANGEROUS VOLTAGE INSIDE
WARNING : TO PREVENT FIRE OR SHOCK HAZARD,
DO NOT EXPOSE THIS UNIT TO RAIN OR
MOISTURE.

CAUTION:
A UNIT IS A CLASS 1 LASER PRODUCT. HOWEVER THIS UNIT USES A VISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE UNIT CORRECTLY AS INSTRUCTED.
WHEN THIS UNIT IS PLUGGED INTO THE WALL OUTLET, DO NOT PLACE YOUR EYES CLOSE TO THE OPENING OF THE DISC TRAY AND OTHER OPENINGS TO LOOK INTO THE INSIDE OF THIS UNIT.
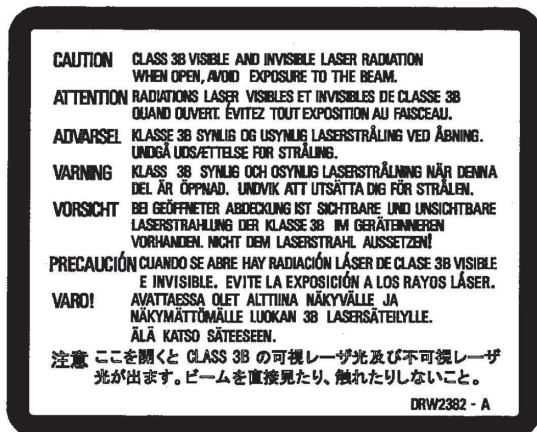USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

CLASS 1 LASER PRODUCT
REPRODUCTION OF LABELS
WARNING LABEL INSIDE OF THE UNIT

CAUTION	CLASS 3B VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN, AVOID EXPOSURE TO THE BEAM.
ATTENTION	RADIATIONS LASER VISIBLES ET INVISIBLES DE CLASSE 3B QUAND OUVERT. ÉVITEZ TOUT EXPOSITION AU FAISCEAU.
ADVARSEL	KLASSE 3B SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSÆTTELSE FOR STRÅLING.
VARNING	KLASS 3B SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. UNDVIK ATT UTSÄTTA DIG FÖR STRÅLEN.
VORSICHT	BEI GEÖFFNETER ABDECKUNG IST SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG DER KLASSE 3B IM GERÄTEINNEREN VORHANDEN. NICHT DEM LASERSTRAHL AUSSETZEN!
PRECAUCIÓN	CUANDO SE ABRE HAY RADIACIÓN LÁSER DE CLASE 3B VISIBLE E INVISIBLE. EVITE LA EXPOSICIÓN A LOS RAYOS LÁSER.
VARO!	AVATTAESSA OLET ALTTIINA NÄKYVÄLLE JA NÄKYMÄTTÖMÄLLE LUOKAN 3B LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
注意	ここを開くと CLASS 3B の可視レーザ光及び不可視レーザ光が出ます。ビームを直接見たり、触れたりしないこと。

DRW2382 - A

This unit apply to the standard "IEC60825-1:2007" for laser products.

Dear Customer,   [European Union]

This apparatus is in conformance with the valid European directives and standards regarding electromagnetic compatibility and electrical safety.

European representative of JVC KENWOOD Corporation is:
JVC Technical Services Europe GmbH
Konrad-Adenauer-Allee 1-11
61118 Bad Vilbel
German

WARNING
This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

IMPORTANT:
■ Please read the various precautions on page 5 to 7 before installing or operating the unit.
■ It should be noted that it may be unlawful to re-record pre-recorded tapes,DVDs, or discs without the consent of the owner of copyright in the sound or video recording, broadcast or cable programme and in any literary, dramatic, musical, or artistic work embodied therein.

CAUTION:
■ When you are not using the unit for a long period of time, it is recommended that you disconnect the power cord from the mains outlet.
■ Dangerous voltage inside. Refer internal servicing to qualified service personnel. To prevent electric shock or fire hazard, remove the power cord from the mains outlet prior to connecting or disconnecting any signal lead or aerial.
■ The mains plug shall remain readily operable.

The STANDBY/ON ⏻/| button does not completely shut off mains power from the unit, but switches operating current on and off. "⏻" shows electrical power standby and "|" shows ON.

A warning that an apparatus with CLASS I construction shall be connected to a MAINS socket outlet with protective earthing connection.

WARNING
Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

Main Plug
The Main Plug is used as the disconnect device, the disconnect device shall remain readily operable

Even if the display window of the unit is unlit, the main power supply is not cut off unless the power cord is unplugged.
The main power supply for this unit is controlled by inserting or removing the power plug.

Failure to heed the following precautions may result in damage to the unit, remote control or disc.
1. <u>**DO NOT**</u> **place the unit** —
   — in an environment prone to extreme temperatures or humidity.
   — in direct sunlight.
   — in a dusty environment.
   — in an environment where strong magnetic fields are generated.
   — on a surface that is unstable or subject to vibration.
2. <u>**DO NOT**</u> **block the unit's ventilation openings or holes.**
   (If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
3. <u>**DO NOT**</u> **place heavy objects on the unit or remote control.**
4. <u>**DO NOT**</u> **place anything which might spill on top of the unit or remote control.**
   (If water or liquid is allowed to enter this equipment, fire or electric shock may be caused.)
5. <u>**DO NOT**</u> **expose the apparatus to dripping or splashing.**
6. <u>**DO NOT**</u> **use this equipment in a bathroom or places with water. Also DO NOT** place any containers filled with water or liquids (such as cosmetics or medicines, flower vases, potted plants, cups, etc.) on top of this unit.
7. <u>**DO NOT**</u> **place any naked flame sources, such as lighted candles, on the apparatus.**
8. <u>**AVOID**</u> **violent shocks to the unit during transport.**

Safety Precaution

POWER CONNECTION
The power supply voltage rating of this product is AC 220 – 240 V (For European countries, Asian countries, and United Kingdom).
The power cord attached conforms to the following power supply voltage and countries. Use only the power cord designated to ensure safety and EMC regulations of each country.

For European and Asian countries: AC 220 – 240 V
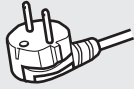
For United Kingdom: AC 220 – 240 V

This plug will fit only into a grounded power outlet. If you are unable to insert the plug into the outlet, contact your electrician to install the proper outlet. Do not defeat the safety purpose of the grounded plug.
● This product should be operated only with the type of power source indicated on the label. If you are not sure of the type of power supply of your home, consult your product dealer or local electric power company.

Warning:
● Do not use the same power cord for AC 120 V as for AC 220 – 240 V. Doing so may cause malfunction, electric shock or fire.

Note for United Kingdom power cord only
The plug of United Kingdom power cord has a built-in fuse. When replacing the fuse, be sure to use only a correctly rated approved type, re-fit the fuse cover. (Consult your dealer or qualified personnel.)

How to replace the fuse
Open the fuse compartment with the blade screwdriver, and replace the fuse.

Fuse

When the equipment is installed in a cabinet or a shelf, make sure that it has sufficient space on all sides to allow for ventilation (10 cm or more on both sides, on top and at the rear).

When discarding batteries, environmental problems must be considered and the local rules or laws governing the disposal of these batteries must be followed strictly.

Use the supplied power cord.
(If not, fire or electric shock may be caused.)
DON'T continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way -- switch off, with draw the mains plug and consult your dealer.
DO be careful with glass panels or doors on equipment.
DO consult you dealer if you are ever in doubt about the installation,operation or safety of your equipment.
NEVER let anyone especially children push anything into holes, slots or any other opening in the case -- this could result in a fatal electrical shock.

MOISTURE CONDENSATION
Moisture in the air will condense on the unit when you move it from a cold place to a warm place, or under extremely humid conditions—just as water droplets form on the surface of a glass filled with cold liquid. In conditions where condensation may occur, disconnect the unit's power plug from the wall and keep it disconnected for a few hours to let the moisture dry, then turn on the unit.

Batteries -- Incorrect use of batteries may cause the batteries to burst or ignite. A leaky battery may corrode the equipment, dirty your hands or spoil your clothing. In order to avoid these problems, make sure to observe the precautions below:
● Use the specified batteries only.
● Install the batteries with due attention to the plus (+) and minus (-) sides of the batteries according to the instructions in the compartment.
● Do not mix old and new batteries.
● Do not mix batteries of different types. Voltage specifications of batteries of the same shape may vary.
● Replace an exhausted battery with a new one promptly.
● If you will not use the remote control for a long time, remove the batteries.
● If leaked battery fluid gets on your skin or clothing,rinse immediately and thoroughly. If it gets into you eye, bathe your eye well rather than rubbing and seek medical treatment immediately. Leaked battery fluid that gets into your eye or your clothing may cause a skin irritation or damage your eye.
● Do not put the batteries in a place where young children can reach.

6

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

DO   read the operating instructions before you attempt to use the equipment.

DO   ensure that all electrical connections (including the mains plug, extension leads and interconnections between pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug when making or changing connections.

DO   consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO   be careful with glass panels or doors on equipment.

DON'T   continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way—switch off, withdraw the mains plug and consult your dealer.

DON'T   remove any fixed cover as this may expose dangerous voltages.

DON'T   leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure that your family knows how to do this. Special arrangements may need to be made for infirm or handicapped people.

DON'T   use equipment such as personal stereos or radios so that you are distracted from the requirements of road safety. It is illegal to watch television whilst driving.

DON'T   listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T   obstruct the ventilation of the equipment, for example with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment.

DON'T   use makeshift stands and NEVER fix legs with wood screws—to ensure complete safety always fit the manufacturer's approved stand or legs with the fixings provided according to the instructions.

DON'T   allow electrical equipment to be exposed to rain or moisture.

ABOVE ALL...

— NEVER let anyone especially children push anything into holes, slots or any other opening in the case—this could result in a fatal electrical shock;

— NEVER guess or take chances with electrical equipment of any kind—it is better to be safe than sorry!

DISCLAIMER OF LIABILITY

JVC shall not be liable for any loss relating to the unit's failure to properly record, store or playback any content (video, audio or otherwise) for any reason whatsoever. Any applicable warranties shall only cover replacement or repair of the effected unit, and shall not apply to recovery or replacement of lost content.

ATTENTION:

■   Using a mobile phone in the vicinity of the unit may cause picture vibration on the TV screen or change the screen to a black back display.

■   Some TVs or other appliances generate strong magnetic fields. Do not place such appliances on top of the unit as it may cause picture disturbance.

■   When moving the product, press ⏻/I to turn off the power, and wait at least 30 seconds before unplugging the power cord. Then, wait at least 2 minutes before moving the product.

■   If there is a power outage when using the unit, the recorded data may be erased.

■   It is recommended to back up discs which contain important recordings periodically (every few years). As digital signals do not deteriorate, failure to play back or record might arise due to the effects of the disc aging through the years depending on the storage environment.

■   Recorded programmes and data cannot be restored once the disc or tape is damaged.

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● This unit can play back and record only PAL signals. NTSC signals can also be played back on the BD/DVD deck.

■   The hard disk is a consumable item. Replacement is recommended after 10000 hours of use (if use in a 25°C environment). For information on maintenance planning and costs, consult your nearest JVC dealer.

■   The fan motor is a consumable item. Replacement is recommended after 30000 hours of use (if use in a 25°C environment). For information on maintenance planning and costs, consult your nearest JVC dealer.

BEFORE YOU INSTALL YOUR NEW UNIT . . .

. . . please read the sections/literature listed below.

● "Cautions" on page 5

Contents

Key Features

Professional Blu-ray Disc recorder of the high-definition era

Copy videos to a Blu-ray Disc in high-definition from a high-definition camcorder, or down convert the videos and record them onto DVDs, all without the need for a PC.
The internal hard disk drive enables for easy editing and dubbing multiple discs.

Supports direct recording to discs

You can record contents directly to an optical disc (BD-R/RE, DVD-R/RW).

Interface with JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM series

Supports the import of "SP mode" (*1) and "HQ mode" (*2) files in the MOV format recorded using the JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM series, or the MXF format recorded using the JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM650. Import to the HDD and dubbing to discs are supported.

MOV format

(*1) SP mode : 1280x720/60p, 30p, 24p, 1440x1080/60i (for NTSC)
1280x720/50p, 25p, 1440x1080/50i (for PAL)

(*2) HQ mode : 1280x720/60p, 30p, 24p, 1440x1080/60i, 1920x1080/60i, 30p, 24p (for NTSC)
1280x720/50p, 25p, 1440x1080/50i, 1920x1080/50i, 25p (for PAL)

MXF format

(*1) SP mode : 1440x1080/60i (for NTSC)
1440x1080/50i (for PAL)

(*2) HQ mode : 1440x1080/60i, 1920x1080/60i, 30p, 24p (for NTSC)
1440x1080/50i, 1920x1080/50i, 25p (for PAL)

Compatibility with other consumer camcorders

In addition to AVCHD, HDV and DV, JVC Everio file formats are also compatible, and digital dubbing can be done.

Digital interface that allows for camcorder compatibility

This unit is equipped with USB, SD slots and i.Link input terminals for connecting the camcorder.

Create menu-supported Blu-ray discs

Blu-ray discs can be created using the BDMV (with menu) format. (*1) BDAV discs can also be created and dubbed according to the intended use.
This unit also enable users to use an original image as the background.

(*1) : Menu cannot be created when recording directly to a BDMV format disc.

Compatible with dual layer 50 GB Blu-ray discs, and records up to 24 hours of full high-definition images in a single disc

This unit is also compatible with high capacity dual layer 50 GB Blu-ray discs, and up to 24 hours (AE mode) of full high-definition images can be recorded in a single disc. Writing to inexpensive LTH discs is also supported.

Authoring menu enables discs to be created and used industrially such as for demonstrations

Disc authoring can be used to create discs for industrial use, such as discs that repeat playback automatically.

Equipped with external control RS-232C terminal (only for SR-HD1700)

This unit is equipped with an RS-232C terminal that allows for external control using a PC.

How to Read this Manual

About this manual

This manual mainly describes operation procedures using the remote control unit buttons.

- The buttons on the remote control unit are indicated as [Button Name].
- The menu items are indicated as "Menu Item".

■ Supplementary remarks in the main text

Memo : States restrictions on the functions or use of this unit.

Note : States precautions to be taken during operation.

☞ : Indicates the page numbers or items to refer to.

Memo:

The displays of operable media are highlighted.

HDD : Hard disk

DVD : DVD

BD : Blu-ray disc

SD : SD card

SDHC : SDHC Card

CD : Music compact disc

JPEG : JPEG (still picture) file disc

■ Contents of this manual

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- Illustrated designs, specifications and other contents of this manual are subject to change for improvement without prior notice.

The illustrations of this unit and the settings menu screens used in this manual are from SR-HD1700.

How to Read this Manual (Continued)

Refer to the supplied CD-ROM for the Germany, Spanish, Italian and French GUIDEBOOK.
In order to view the GUIDEBOOK, Adobe® Acrobat® Reader™ or Adobe® Reader® must be installed.
Adobe® Reader® can be loaded from Adobe's web site:
http://www.adobe.com/

Menu operation

Pressing the remote control buttons below calls up the respective menu screens.
- [SET UP], [NAVIGATION], [EDIT], [INFORMATION CORRECT], [DUBBING], [MEDIA MANAGE]
- Press any of the [▲ / ▼ / ◄ / ►] buttons to move to a specific menu item (yellow item indicated by a small arrow).
- Press the [OK] button to confirm the selection.
- Press the [RETURN] button to return to the previous screen.
- Simple instructions on the operation procedure may be displayed at the bottom of the screen.

Other Precautionary Notes

Copyright protection

This unit supports copyright protection technologies.

Copyrights

- According to the copyright law, video or music data that you store must not be used for purposes other than personal enjoyment without the authorization of the copyright holder.
- The copyright protection function prevents copyrighted video images from being saved to equipment such as a video recorder. This function may also cause deterioration in the playback picture quality when the data is output to a monitor through a video recorder. This is not a hardware malfunction. To play back copyrighted videos, connect this product directly to the monitor.
- Read and understand fully the terms and conditions of all copyright works before using this unit in the correct manner. Under no circumstances shall JVC KENWOOD take any responsibility for any infringements of copyright caused by the customer when using this unit. The customer shall be responsible for resolving all legal issues regarding to any copyright infringements.

Stored video content and compensation

- For discs containing important video content, backup on a periodic basis (once every few years) is recommended. Although digital signals do not deteriorate, playback or dubbing may fail due to aging of the disc resulting from the storage conditions.
- Recorded data may be lost if power outage occurs while this unit is being used. It is therefore recommended that videos stored on the HDD be dubbed to a BD or DVD as soon as possible in case the HDD breaks down.
- Videos or data stored on a BD/DVD, HDD, or SD card cannot be recovered if the media is damaged.

Disclaimer of compensation for loss or damage of stored video content

Please note that our company will not be liable for compensation of the content or any incidental damages in the event that dubbing or playback cannot be performed properly for some reasons. The same applies during repair of this unit.

Compatibility with Analog Sunset

- Video contents that are copyright-protected under the AACS will not be output from the analog output terminals of this unit.
- Video contents that are not copyright-protected under the AACS will be output from the analog output terminals of this unit.
- Analog output terminals refer to the [VIDEO OUT] terminal, [S-VIDEO OUT] terminal, and [COMPONENT VIDEO OUT] terminals.
- For details on the output resolution, refer to "List of Output Resolutions" (☞ page 10) .

List of Output Resolutions

Media	Output Terminal	Content Protection	Output Resolution
DVD-Video	Analog Output (Component)	Free	480p (for NTSC) 576p (for PAL)
		CSS	
BDMV	Analog Output (Component)	Free	In HD (for NTSC) 576p (for PAL)
		AACS	No Output
BDAV	Analog Output (Component)	Free	In HD
		AACS	No Output

- The output resolution if "COMPONENT OUTPUT" (☞ page 90) is set to "1080i" when there is no HDMI connection.
- BD contents are assumed to be recorded in the 1080i format.
- CSS is the abbreviation for content scramble system.
- AACS is the abbreviation for advanced access content system.

Handling precautions

- **Do not use the plug or power point with dust or metallic objects attached to it**
- Failure to do so may cause short circuit or heating, and result in fire or electric shock.
- Remove the plug once every half a year, and clean it with a dry cloth.

- **Make use of a power point that allows the power plug to be inserted or removed easily**
- Make sure that the plug can be removed immediately in case an abnormality is found in the unit.

- **Insert the plug firmly into the power point**
- Failure to do so may cause short circuit or heating, and result in fire or electric shock.

■ **Do not make use of a power voltage other than that specified**

• Doing so may result in fire or electric shock.

■ **Do not insert or remove the plug with wet hands**

• Doing so may result in electric shock.

■ **Do not touch the plug when there is thunder or lightning**

• Doing so may cause electric shock.

■ **Do not insert any foreign object into this unit**

• Doing so may result in fire or electric shock.

■ **Do not dismantle or remodel this unit**

• This unit consists of high-voltage components. Dismantling or remodeling the unit may cause fire or electric shock.

■ **Request the authorized dealer to inspect the interior part of the unit once a year**

• Using this unit with dust accumulated inside may result in fire.
• It is particularly effective to perform servicing before the humid rainy season.

■ **Do not connect any video cameras that are not made by JVC to the USB terminal**

• Doing so may result in malfunction.

Hard Disk Drive (HDD)

Hard disk drive (HDD)

The HDD rotates at a high speed whenever the power is turned "On".
Pay particular attention to the following precautions when using this unit.

Warning
• Do not subject it to vibration or strong impact
Subjecting this unit to excessive impact may result in loss of recorded data and even damage of the HDD.
• Do not remove the power plug when this unit is running
Shutting down the power when the HDD is running may result in data loss and even damage of the HDD. Make sure that the power plug is removed only after turning off the power. (Wait for the "GOODBYE" message on the display window to disappear first)

Formatting the HDD

To format the HDD, perform the following steps.

1 Press the [MEDIA MANAGE] button on the remote control unit

2 Select "FORMAT" from "HDD"
• A confirmation screen for formatting the HDD appears.

3 Select "YES"
• The confirmation screen for formatting the HDD reappears.

4 Select "FORMAT"
• HDD formatting starts.

SD Cards

Precautions for handling SD and SDHC cards

Note:
• The disc operation display icon appears blinking and "READING" is displayed on the display window when the SD card is being accessed (such as during dubbing, playback, or formatting). When access to the SD card is in progress, do not remove the card or the power plug. Doing so may cause the SD card to become unusable.
  If the SD card is not usable, reformat the card. If the problem persists even after reformatting, use a new SD card.
• Do not use or store the card at a place that is subject to static or electrical noise.
• Inserting the SD card incorrectly may cause this unit or the card to malfunction.
• Our company will not be liable for any damage or loss of the stored data due to accidents. (Be sure to back up the data.)
• Use the card according to the prescribed conditions. Do not use it at the following locations.
  • Places that are exposed to direct sunlight
  • Places near heat-generating equipment
  • Inside a car that is under the sun with the windows tightly shut
  • Places that are subject to high humidity and corrosion
• Do not bend or drop the card, or subject it to strong impact or vibration.
• Do not expose the card to water.
• Do not place near devices that emit strong magnetic or radio waves.
• Do not touch the metal part of the card.
• The SD SLOT does not support SDXC cards.
• To use an SDXC card, connect a SDXC-compatible USB card reader (sold separately) via USB connection.
• Do not format the SDXC card to the standard format of the computer OS.
• This unit may not recognize the SD card if a USB card reader with three or more card slots is used.
• Use a card reader with no more than two card slots.

Memo:
• To dispose a card after erasing all data inside, it is recommended that this be done using a commercially available data deletion software, or by destroying the card physically, such as with a hammer. Formatting or deletion of data using this unit only changes the file administration information, and does not erase the data completely.

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SD Cards (Continued)

Discs

BD video data

You can erase BD Video data from the SD card as follows.

1 **Insert the SD card which has BD video data stored on it, into the [SD SLOT]**

Memo:
- The BD video data cannot be erased if the SD card is write-protected. In this case, turn off the write-protect lock before inserting the SD card.

2 **Press the [MEDIA MANAGE] button on the remote control unit**

3 **Select "BD-VIDEO DATA ERASE" from "SD CARD"**

- The confirmation screen for erasing the BD video data is displayed.

4 **Select "ERASE", and press the [OK] button**

- The BD video data will be erased.

BD recording formats

■ **BDAV mode**

- Videos can be edited (chapter edit etc) and new videos can be added to the disc. This format is suitable for recording videos.
- MPEG2 with HD quality will be recorded as it is onto the disc. This format has low playback compatibility, but performs well when used for backups.

■ **BDMV mode**

- Compatible and playable on other BD players. Menu functions similar to those of DVD video mode are also included. (*1)
  This format performs well for distribution purposes.

(*1) : Menu cannot be created when recording directly to a BDMV format disc.

DVD recording formats

■ **VR MODE**

- Format the disc using "VR MODE" if you want to add new videos to the disc.
- Deleting currently saved videos increases the remaining space on the disc. (except for the case of DVD-R discs.)

■ **VIDEO MODE**

- Format the disc in this mode if you want to play the disc on a different DVD player.

Formatting of discs

Formatting is required for some disc types. Perform formatting if this is necessary.

■ **When using BD-RE or BD-R discs**

Formatting is required. Format the disc using this unit.
- Format it to the BDAV or BDMV mode.

■ **When using DVD-R or DVD-RW discs**

Formatting is required. Format the disc using this unit.
- Format using "VR MODE" or "VIDEO MODE".

Note:
- BD-R and DVD-R discs cannot be reformatted. Check the disc mode before formatting the disc.

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Discs that enable both dubbing and playback

Disc Type	Recording Format	Format	Finalize	Repeated Use (Reformat)
BD-RE	BDAV mode	✓	-	✓
	BDMV mode	✓	-	✓
BD-R	BDAV mode	✓	✓	-
	BDMV mode	✓	-	-
DVD-RW	Video mode	✓	✓	✓
	VR mode	✓	✓	✓
DVD-R	Video mode	✓	✓	-
	VR mode	✓	✓	-

Memo:
• This unit does not support the BDXL format.

Discs that enable playback only

Disc Type	Description
DVD-RAM (4.7 GB)	Supports specific forms of playback, but no recording can be done.
BD-ROM	Commercially available Blu-ray discs (movies, music, etc.) The region code that can be played back on this unit is "*1".
DVD video	Commercially available DVD-Video discs (movies, music, etc.) The region code that can be played back on this unit is "*2". The video format used is PAL or NTSC.
Music CD	CD-DA DTS music CDs are also playable.

*1: SR-HD1700US/SR-HD1350US/SR-HD1700AG: A, SR-HD1700EU/SR-HD1350EU: B, SR-HD1700ER: C

*2: SR-HD1700US/SR-HD1350US: 1, SR-HD1700EU/SR-HD1350EU: 2, SR-HD1700AG: 3, SR-HD1700ER: 5

Memo:
• If 8 cm discs are used, only playback can be performed. The disc cannot be used for recording or editing.
• 8 cm discs can be used without adapters.
• DVD-RAM cartridges and BD-RE are not supported. Take the DVD-RAM out of the cartridge before using it.

Discs that are not supported

• DVD-RAM (2.6 GB/5.2 GB)
• DVD-R (for authoring)
• CD-ROM/R/RW (PhotoCD, CD-G, VCD etc.)
• DDCD (1.3 GB, Double Density CD)
• HDCD (High Density CD)

Memo:
• To playback a BD or DVD that was created using this unit on another player, finalize the disc.
• There is no need for finalizing if the BD-RE disc is recorded using BDAV mode.
• If a DVD that was recorded using VR mode has been finalized, the disc can only be played back on VR mode compatible devices.
• To perform high-speed dubbing, make use of a disc that supports high-speed recording.
• This unit can play back and record only PAL signals. NTSC signals can also be played back on the BD/DVD deck. (for PAL)
• This unit can play back and record only NTSC signals. (for NTSC)

Note:
• Do not use disc if the sticker or label is peeled off from the disc surface, if the disc is not round in shape, or if it is significantly warped or cracked.

Precautions on the Use of Discs

Maintenance of discs

- Dirt attached to the disc, such as fingerprints and dust, may cause distortion in the video image or sound.
  Keep the disc clean at all times such as by using a soft cloth.
- Wipe the disc lightly from the center outward using the cloth.
- If dirt is stubborn, wipe it off using a slightly wet cloth, followed by a dry cloth.
- Do not use thinner, benzine, alcohol, conventional record cleaners, or antistatic sprays.
  Doing so may damage the disc surface.

Handling discs

■ Removing a disc
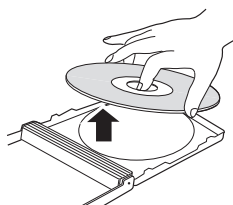
■ Keeping a disc
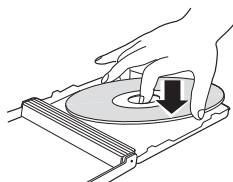
■ Correct way to hold a disc

Do not touch the recording/playback side of the disc with your fingers.
Fingerprints attached to the surface may affect the recorded video/audio, and prevent this unit from operating properly.

Disc storage

- Avoid storing the disc at the following locations.
  - Places that are subject to high humidity, dust, or mold growth
  - Places that are exposed to direct sunlight or near a heater
  - Inside a car during summer
- Do not drop the disc or subject it to strong impact.
- Place the disc in a case and store it vertically.
- Stacking the discs without using a case, placing the discs against one another or dropping them may result in deformation or cracking.

When the recording/playback lens is dirty

Dust or dirt may be attached to the recording/playback lens after using this unit for a prolonged period of time, and recording or playback may not be properly performed as a result.
In such case, consult the dealer or Service Center.

Precautions when playing a dual disc

The side of the dual disc that is not used for DVD recording does not comply with the standard specifications of music CDs.
It is recommended that playback on this unit be limited to the DVD recording side of the dual disc.

Disc usage

The best performance may not be obtained for some discs.

Power Cable

Do not unplug the cable during recording or playback.
Doing so may cause the disc to become unusable.
If the disc becomes unusable, refer to the following.

BD-R or DVD-R : Use a new disc.

BD-RE or DVD-RW : Reformat the disc after erasing the data. If the disc is still not usable, use a new disc.

Do not turn off the [⏻/l] button or unplug the power cable immediately after closing the disc tray.

On-screen Displays

Status display

Displays the current settings and operating status (such as playback, pause) of this unit.
Pressing the [ON SCREEN] button on the remote control displays the status. To cancel the display, press the [ON SCREEN] button again.
You can select whether to display the statuses by changing the settings in the settings menu.
For details, refer to "ON SCREEN GUIDE" (☞ page 88) .

Memo:
- To display the statuses, set the "ON SCREEN GUIDE" item on the "DISPLAY" menu screen to "AUTO".
- Setting the "ON SCREEN GUIDE" item on the "DISPLAY" menu screen to "OFF" hides display of all status information.
- You can display the status by pressing the [OPTION] button on the remote control unit when playback, dubbing or editing is not in progress.
  ① **Press the [OPTION] button on the remote control unit**
  ② **Select "ON-SCREEN DISPLAY", and press the [OK] button on the remote control unit**

Event display

An on-screen event display appears on the display window as well as the monitor when there is a misoperation.
- The event display appears for an interval of about three seconds.

Memo:
- The same event display may appear several times.

Alarm display

When an operation is not accepted by this unit, an on-screen alarm display appears on the display of the main unit as well as the monitor.

Name and Function of Parts

Front panel
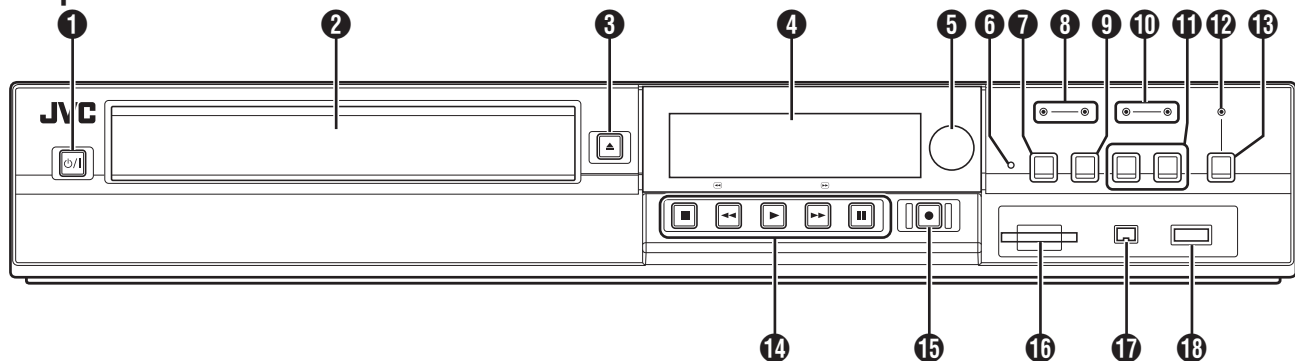
❶ [⏻/❙] button
Switches operation on or off.

❷ Disc tray

❸ [⏏] button
Opens/closes the disc tray.

❹ Display window

❺ Remote control sensor

❻ [RESET] switch
Reset the unit.

❼ [REC MODE] button
Switches the recording mode.

❽ [HDD] lamp
Lights up when in HDD mode.
The [REC] lamp lights up while recording/importing.

❾ [INPUT SELECT] button
Switches the external input signals (HDV/DV, L-1).

❿ [BD] lamp
Lights up when in BD/DVD mode.
The [REC] lamp lights up while recording/dubbing.

⓫ [MEDIA SELECT] button
Switches between HDD and BD/SD.

⓬ [SD] lamp
Lights up when in the SD mode.

⓭ [ONE TOUCH DUBBING] button
Starts one touch dubbing.

⓮ Playback control buttons
• [▶] button
Plays back the data.
• [■] button
Stops playback/recording.
• [◀◀] button
Fast reverses playback.
• [▶▶] button
Fast forwards playback.
• [❙❙] button
Pauses playback.

⓯ [●] button
Starts recording of a title.

⓰ [SD SLOT]
Used for inserting SD cards.

⓱ [i.LINK(HDV/DV IN)] terminal
Connect a video camera using i.LINK (HDV/DV. IN).

⓲ [USB] terminal
Connect a video camera using USB.

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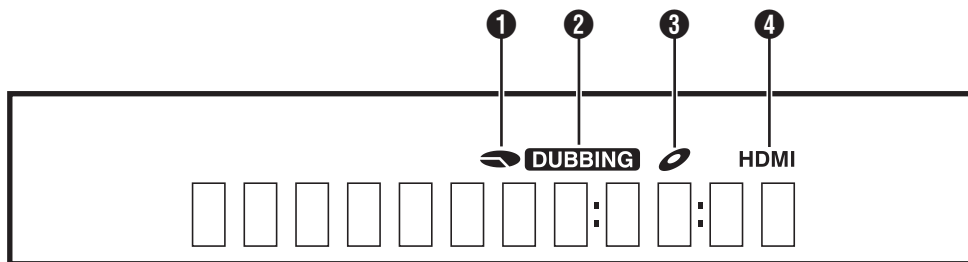
Display window

➊ HDD/DISC remaining level display

➋ Dubbing display

➌ Disc status display

➍ HDMI output display

Memo:
• The brightness of the display window can be adjusted.
For details, refer to "DIMMER (POWER ON)" (☞ page 83) .

English messages appear for a number of operations.
(Examples)

HELLO   :   When the power plug is inserted

READING   :   When reading the disc

ONSCREEN :   Upon moving to the playback navigation screen

Rear panel
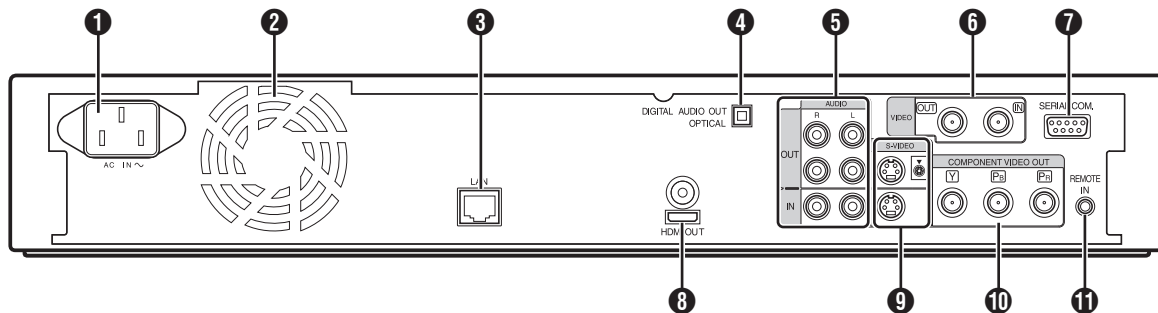
➊ AC inlet

For connecting the power supply.

➋ Cooling fan

➌ [LAN] terminal

For connecting a LAN cable.

Memo:
• For SR-HD1350, this terminal functions as a [FOR SERVICE] terminal. LAN connection is therefore not supported.

➍ [DIGITAL AUDIO OUT (OPTICAL)] terminal

For connecting to the amplifier using an optical audio cable.

➎ [AUDIO OUT/IN] terminals

For connecting using an audio cable.

➏ [VIDEO OUT/IN] terminals

For connecting using a video cable.

➐ [SERIAL COM.(RS-232C)] terminal (only for SR-HD1700)

For connecting to a computer using a serial cable.

➑ [HDMI] terminal

For connecting using an HDMI cable.

➒ [S-VIDEO OUT/IN] terminals

For connecting using an S-video cable.

➓ [COMPONENT VIDEO OUT] terminals

For connecting using a component video cable.

⓫ [REMOTE IN] terminal

For connecting a wired remote control.

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Name and Function of Parts (Continued)

Remote control
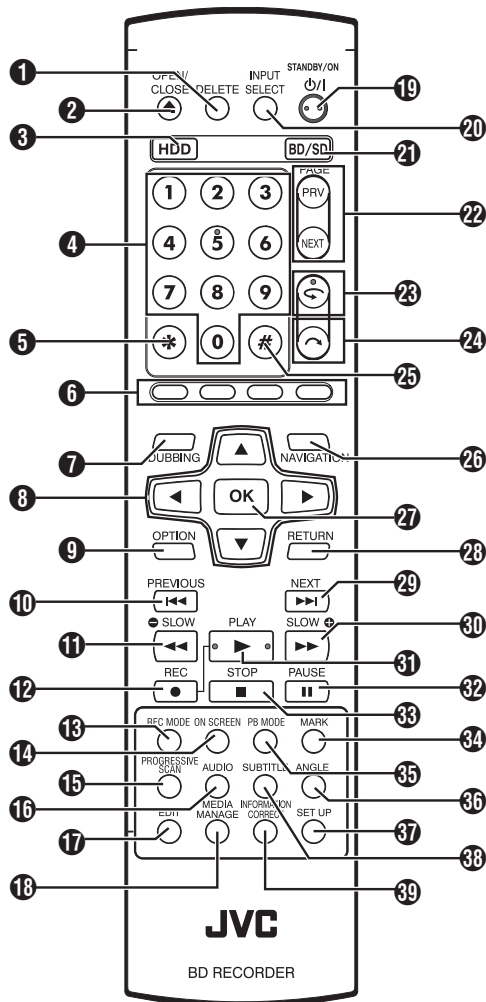
① [DELETE]

Deletes a title or characters.

② [⏏]

Opens/closes the disc tray.

③ [HDD]

For operating the HDD.

④ [1]-[9]

For entering characters.

⑤ [✻]

For entering characters.

⑥ [RED], [GREEN], [BLUE], [YELLOW]

Enabled when the color button is displayed.

Memo:
• The sequence of the button color is different depending on the model.

⑦ [DUBBING]

Displays the dubbing menu screen.

⑧ [▲ / ▼ / ◀ / ▶]

The cursor can be moved to select an item.

⑨ [OPTION]

Displays the option screen.

⑩ [|◀◀]

Move to the chapter just before the current chapter.

⑪ [◀◀]

Fast reverses the video and starts slow playback.

⑫ [●]

Press the [●] and [▶] buttons together to start recording.

⑬ [REC MODE]

For checking the recording mode settings and amount of time remaining.

⑭ [ON SCREEN]

Displays information on the screen.

⑮ [PROGRESSIVE SCAN]

Switches the resolution of the image output.

⑯ [AUDIO]

Switches the playback audio.

⑰ [EDIT]

Displays the editing menu screen.

⑱ [MEDIA MANAGE]

Displays the media management menu screen.

⑲ [⏻/I]

Switches operation on or off.

⑳ [INPUT SELECT]

Switches the external input signals (HDV/DV, L-1).

㉑ [BD/SD]

For operating BD/DVD or SD.

㉒ [PAGE PRV] [PAGE NEXT]

Returns to the previous page. Or advances to the next page.

㉓ [↶]

Move the playback position slightly backwards.

㉔ [↷]

Advance the playback position slightly.

㉕ [#]

For entering characters.

㉖ [NAVIGATION]

Displays the playback navigation screen.

㉗ [OK]

Confirms a selection or entry.

㉘ [RETURN]

Returns to the previous screen without applying the selection or entry.

㉙ [▶▶|]

Move to the next chapter.

㉚ [▶▶]

Fast forwards the video and starts slow playback.

㉛ [▶]

Plays the video.

㉜ [❚❚]

Pauses the video that is currently playing.

㉝ [■]

Stops playback/recording.

㉞ [MARK]

Adds a chapter mark during playback or recording. Select multiple titles from the playback navigation screen or other screens.

㉟ [PB MODE]

Display the playback settings screen.

㊱ [ANGLE]

Switches the camera angle for playback.

㊲ [SET UP]

Displays the settings menu screen.

㊳ [SUB TITLE]

Switches the playback subtitle.

㊴ [INFORMATION CORRECT]

Displays the information editing screen.

Change batteries for the remote control

• If the operable distance of the remote control unit becomes shorter, this means that the batteries are running out. When this occurs, replace the batteries with new ones.
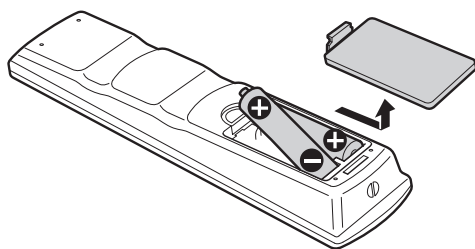
Batteries

• Insert the batteries correctly according to the + and – signs. Insert the – side of the battery first.
• If an error occurs while using the remote control unit, remove the batteries, wait for about five minutes, and operate the remote control unit again after re-inserting the batteries.

Battery life： Approximately 6 months
　　　　　　　 (depending on the frequency of use)

Remote control codes

By setting a remote control code for the unit and remote control, you can prevent two recorders from operating simultaneously using the remote control for this unit.
(the setting for the unit and remote control at time of purchase is "REMOTE CONTROL 3".)

Memo:
• Changing the remote control code for the remote control before the unit's remote control code is changed will cause the unit to be inoperable.
Change the unit's remote control code first when changing remote control codes.

■ Changing the remote control code for the unit

1 Press the [SET UP] button on the remote control to display the "SETUP" menu

2 Change the "REMOTE CONTROL CODE" option in the "SETUP" menu

Memo:
• For details, refer to "REMOTE CONTROL CODE" (☞ page 83) .

■ Changing the remote control code for the remote control

1 Press and hold the [OPTION] button on the remote control

2 Press either of the [1], [2], [3] or [4] buttons

• Press the number button that is equivalent to the remote control code you desire.

3 Press the [OK] button

• Press the [OK] button to change the remote control code.

4 Release the [OPTION] button on the remote control

Memo:
• If the remote control code is different from the unit, the remote control code for the unit will be displayed on the display window.

Examples： REMOTE CONTROL 3

Connecting a Monitor

To display video images from this unit, connect it to a monitor.
• This unit supports connections using "HDMI cable", "component video cable", "S-video cable", or "video cable".

Memo:
• Switch to the appropriate monitor input according to the type of connection cable used.
  For details, refer to the instruction manual of the monitor.

Connecting using an HDMI cable

Connecting using an HDMI cable (sold separately) enables signals to be maintained in the digital format, and thus playback of clear video images.
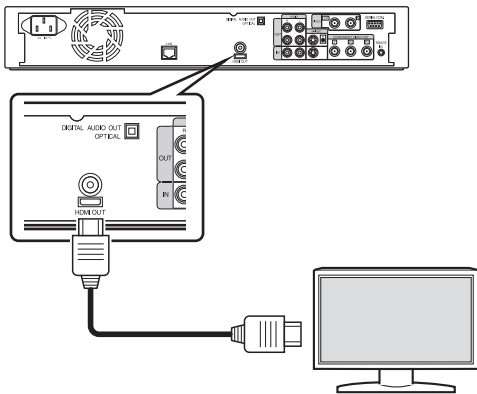
Memo:
• To connect to a monitor that does not support the copyright protection system (HDCP), set "HDCP".
  For details, refer to "HDCP" (☞ page 90) .

• Use a High Speed HDMI Cable.

• After connecting using an HDMI cable, change the unit setting to "HDMI CONNECTION".

For details, refer to "VIDEO PRIORITY MODE" (☞ page 88) .

Connecting using a component video cable

Connecting using a component video cable (sold separately) delivers playback images that are clearer than those by an S-video cable.
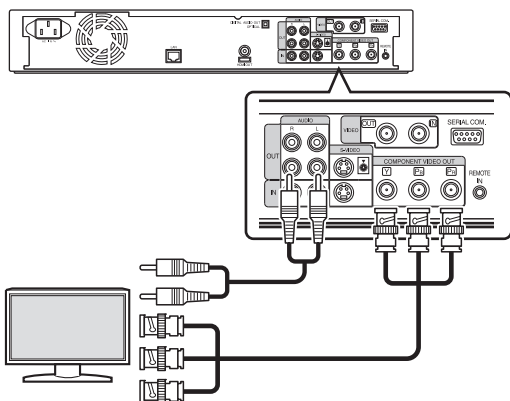
Memo:
• After connecting a component video cable, change the unit setting to "COMPONENT OUTPUT".

  For details, refer to "COMPONENT OUTPUT" (☞ page 90) .

Connecting using an S-video cable

For connecting an S-video cable (sold separately).
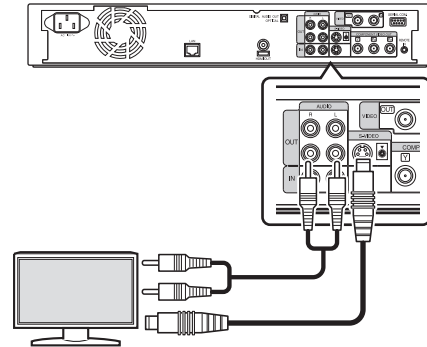
Connecting using a video cable

Connect the output terminal of this unit to the input terminal of a TV using a video/audio cable (sold separately).
(Use a BNC adapter that is sold separately)
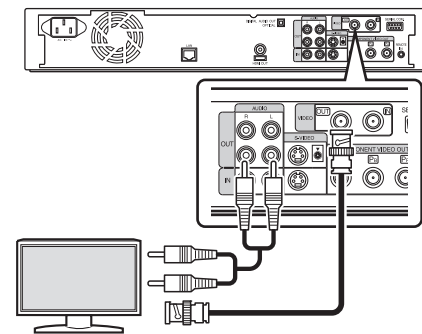
Note:
• Connect the S-video/video output of this unit directly to the TV (or monitor). Connecting this unit to the TV or monitor via a video deck triggers the copy protection function, and may cause distortion in the video images during playback.

• Videos that are AACS copyright-protected are not output from the S-video/video output terminals.

Connecting an Amplifier

Connecting an audio amplifier

■ Connecting using an optical digital cable
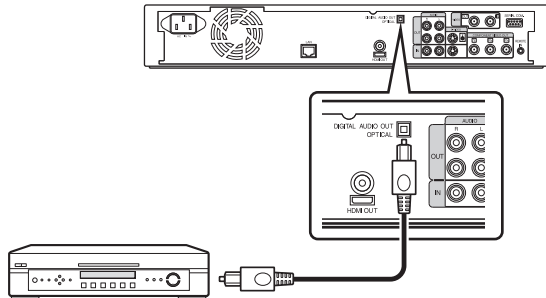
Memo:
• Remove the protection cap of the cable before connecting. Store the protection cap properly to prevent it from being misplaced.

■ Connecting using an audio cable
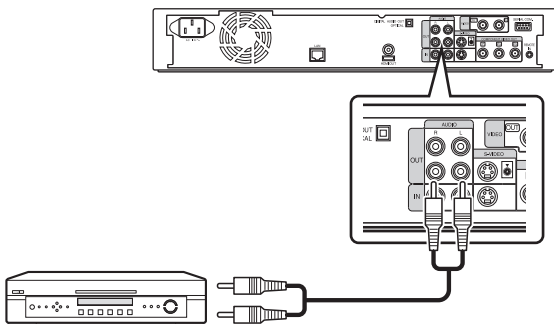
Connecting a Video Deck or Other Equipment

Connecting a video camera

■ Connecting via the i.LINK terminal
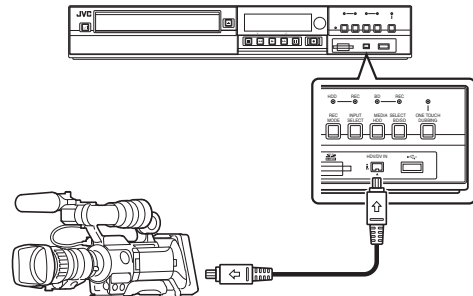
■ Connecting via the USB terminal
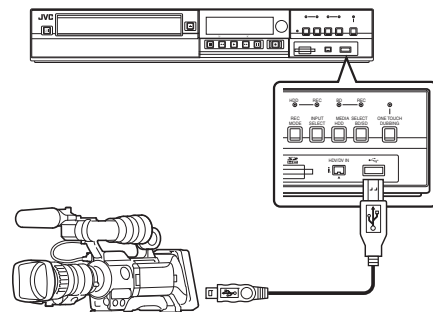
Memo:
• Some video camera models may require an AC adapter instead of batteries to run. For details, refer to the video camera's instruction manual.

Connecting a video deck or other equipment (recording using this unit)
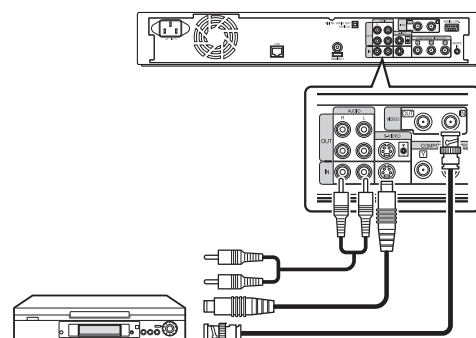
Memo:
• When connecting using an S-video cable, change the setting of "VIDEO INPUT SETTING" to "S-VIDEO".
  For details, refer to "VIDEO INPUT SETTING" (☞ page 90) .
• To record video images played back on this unit to an external device (video deck, etc.), connect the output terminal of this unit to the input terminal of the external device.

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Connecting External Devices

Connecting a wired remote control
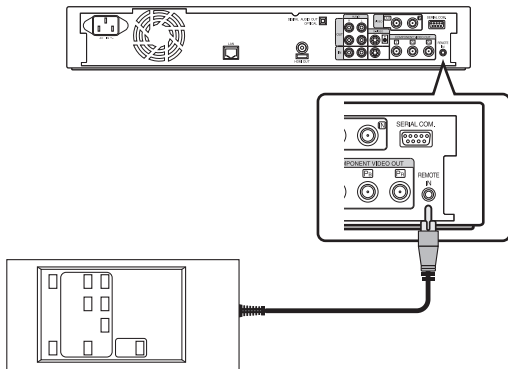
Using a wired connection enables stable control of this unit from an external device.
Operation is possible using any code (1 to 4) regardless of the remote control code settings of this unit.

Memo:
- There is currently no compatible remote control unit available.
- To create a wired remote controller, refer to "External Control (only for SR-HD1700)" (☞ page 92) .

Connecting using an RS-232C cable (only for SR-HD1700)
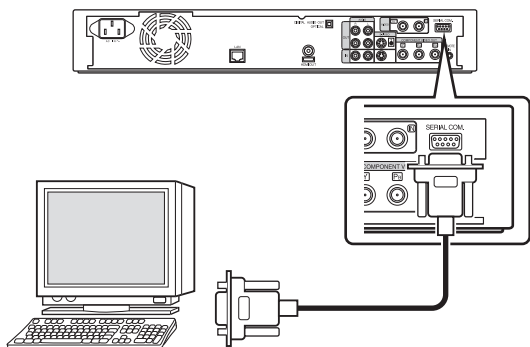
External operation is enabled by connecting an RS-232C cable to a PC or similar device.
For details on external operation, refer to "External Control (only for SR-HD1700)" (☞ page 92) .

Connecting using a LAN cable (only for SR-HD1700)
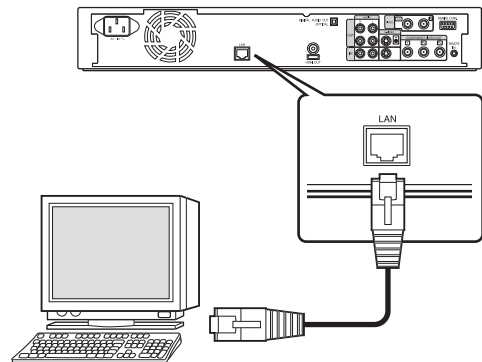
External operation is enabled by connecting to a PC or similar device using a LAN cable.
For details on external operation, refer to "External Control (only for SR-HD1700)" (☞ page 92) .

Connecting the Power Supply

Connect the supplied power cable to this unit as follows.
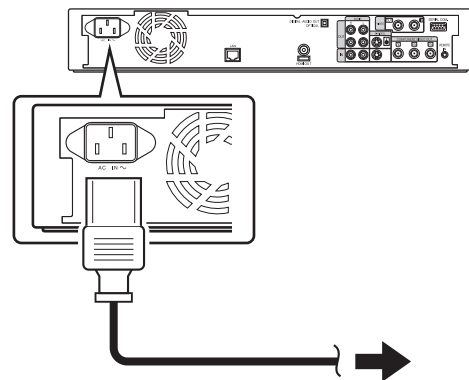
1 **Connect the supplied power cable to the AC IN terminal of this unit**

2 **Connect the other end of the power cable to a power point**

3 **Press the [⏻/|] button on the remote control or this unit to switch on the unit.**

- The power of this unit turns on, and a "HELLO" message appears on the display window.

Note:
- Do not use power cables other than that supplied with this unit. Doing so may cause this unit to malfunction.

Setting and Displaying Date/Time

Set the date/time of the built-in clock as follows. The recording date/time is stored on the disc.

Setting the date/time

Set the date/time of the built-in clock as follows.

1 **Press the [SET UP] button on the remote control unit**

• The Settings menu screen appears.

```
                      ⌘  ▷◯♫▭⧉⧈
                   SETUP

          AUTO POWER (OFF)        OFF
          REMOTE CONTROL CODE   REMOTE CONTROL 3
          CLOCK SET/DISPLAY              >
          PANEL DISPLAY BRIGHTNESS       >
          QUICK STARTUP           OFF
          BUZZER OUTPUT                  >
          DEFAULT SETTING


              EXIT      SELECT     OK
             SET UP              RETURN
```
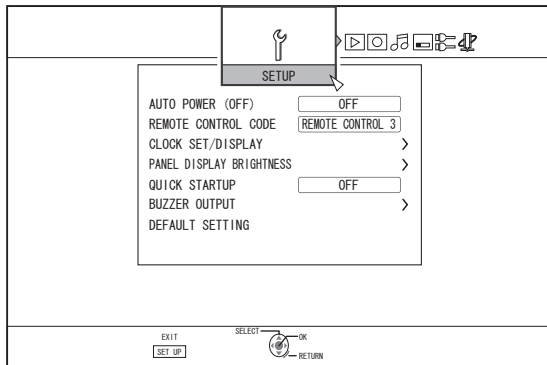
2 **Select "SETUP", and press the [OK] button**

3 **Select "CLOCK SET/DISPLAY", and press the [OK] button**

• "CLOCK SET/DISPLAY" menu screen appears.

```
                      ⌘  ▷◯♫▭⧉⧈
                   SETUP

          AUTO POWER (OFF)        OFF
          REMOTE CONTROL CODE   REMOTE CONTROL 3
          CLOCK SET/DISPLAY              >
          PANEL DISPLAY BRIGHTNESS       >
          QUICK STARTUP           OFF
          BUZZER OUTPUT                  >
          DEFAULT SETTING


              EXIT      SELECT     OK
             SET UP              RETURN
```
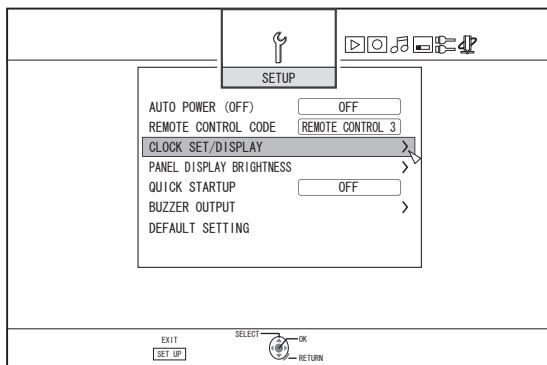
4 **Select "CLOCK SET", and press the [OK] button**

• The Clock Set menu screen appears.

```
                   ⌘  ▷◯♫▭⧉⧈
                SETUP

       > CLOCK SET/DISPLAY
        CLOCK SET
        DATE DISPLAY      MONTH. DAY. YEAR
        TIME DISPLAY CHOICE     12H




              EXIT      SELECT     OK
             SET UP              RETURN
```
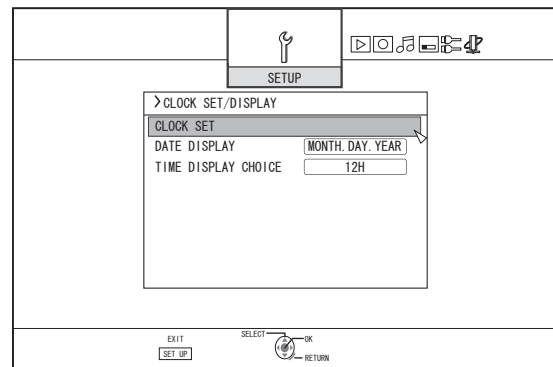
5 **Set the time and date**

• Repeat the steps below to specify the time and date.

① **Press the [▲] or [▼] button, select the Clock Set item, and press the [OK] button.**

```
                   ⌘  ▷◯♫▭⧉⧈
                SETUP

       > CLOCK SET/DISPLAY
        CLOCK SET
               CLOCK SET
            YEAR        2012
            MONTH/DAY   JAN/01
            TIME        AM12:00

               ENTER

              EXIT      SELECT     OK
             SET UP              RETURN
```
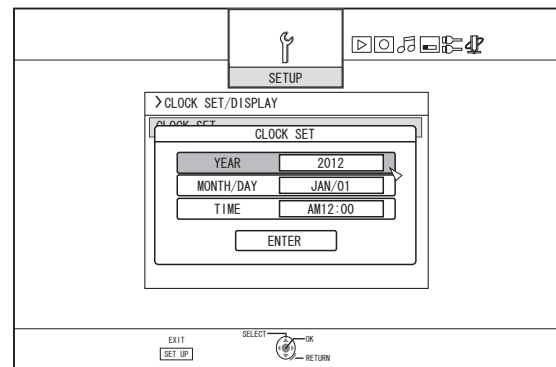
② **Press the [▲] or [▼] button, change the setting value, and press the [OK] button.**

```
                   ⌘  ▷◯♫▭⧉⧈
                SETUP

       > CLOCK SET/DISPLAY
        CLOCK SET
               CLOCK SET
            YEAR        2012      2012
            MONTH/DAY   JAN/01
            TIME        AM12:00

               ENTER

              EXIT      SELECT     OK
             SET UP              RETURN
```

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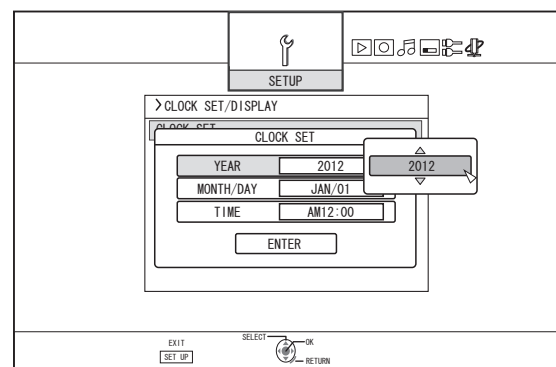
Setting and Displaying Date/Time (Continued)

6 After setting is complete, select "ENTER", and press the [OK] button

• Doing so exits date/time setting, and returns to the initial screen.
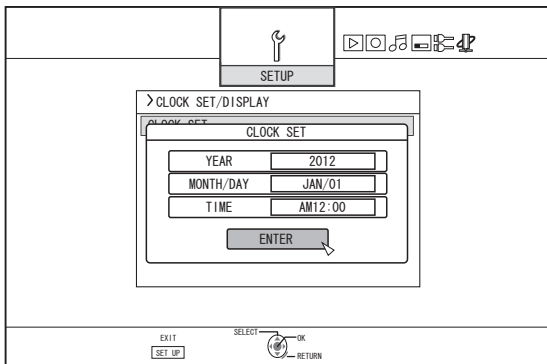
Memo:

• The value for seconds cannot be set. After setting the minute, press the [SET UP] button according to the time signal.

• To cancel date/time setting, press the [RETURN] button. Doing so cancels date/time setting and returns to the initial screen.

• The year can be set from 2012 to 2037.
If "2037.12.31 23:59" is set, the time will change to "2012.1.1 00:00" after one minute.

Changing the date display style

You can specify the display style of the date as follows.

1 Press the [SET UP] button on the remote control unit

2 Select "SETUP", and press the [OK] button

• The Settings menu screen appears.
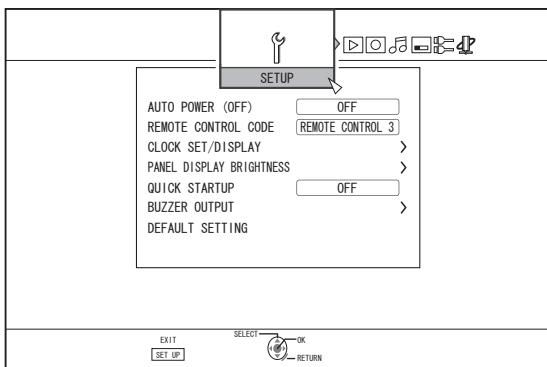
3 Select "CLOCK SET/DISPLAY", and press the [OK] button

• The Clock Set/Display menu screen appears.
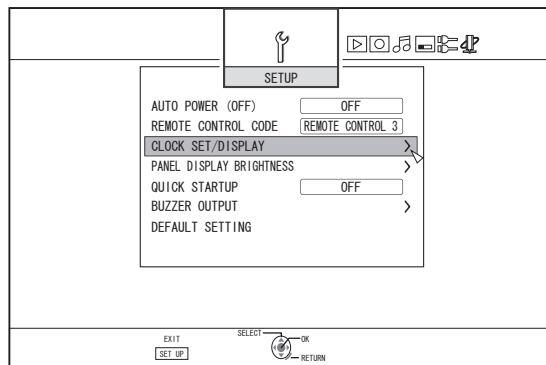
4 Select "DATE DISPLAY", and press the [OK] button

• The Date Display menu screen appears.
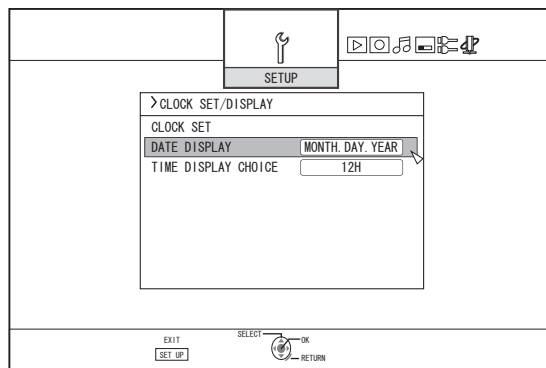
5 Select the date display style.
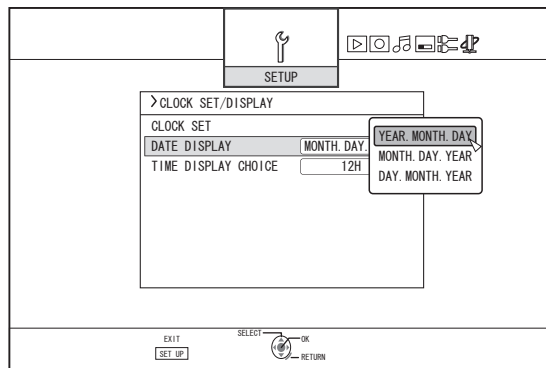
• Select a date display style from the following items.

YEAR.MONTH.DAY : Displays the date in the year/month/day order.

MONTH.DAY.YEAR : Displays the date in the month/day/year order.

DAY.MONTH.YEAR : Displays the date in the day/month/year order.

6 After selecting, press the [OK] button

• The date display style will be saved.

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Memo:
The date display style will be applied in the following information displays.

- Recording date of the title that is shown in the playback navigation screen (The recording date will be shown in place of the title if the title has not been input).
- Date that is displayed in the title information display screen

Changing the time display style

You can specify the display style of the time as follows.

1 **Press the [SET UP] button on the remote control unit**

2 **Select "SETUP", and press the [OK] button**
- The Settings menu screen appears.
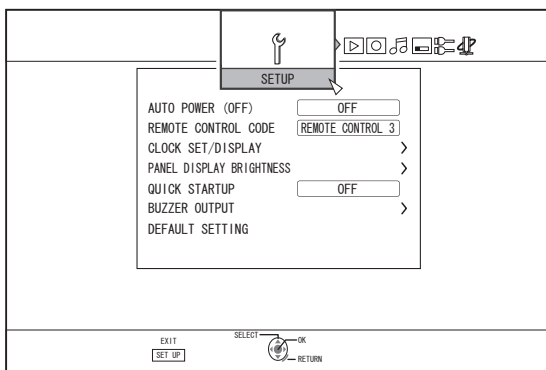
3 **Select "CLOCK SET/DISPLAY", and press the [OK] button**
- The Clock Set/Display menu screen appears.
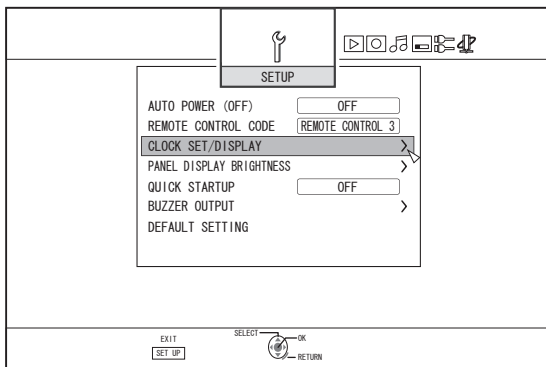
4 **Select "TIME DISPLAY CHOICE", and press the [OK] button**
- The Time Display menu screen appears.
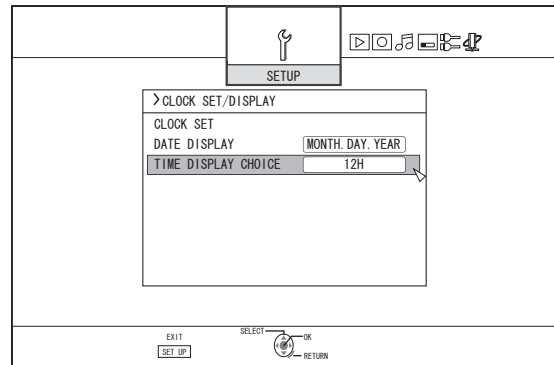
5 **Select the time display style**
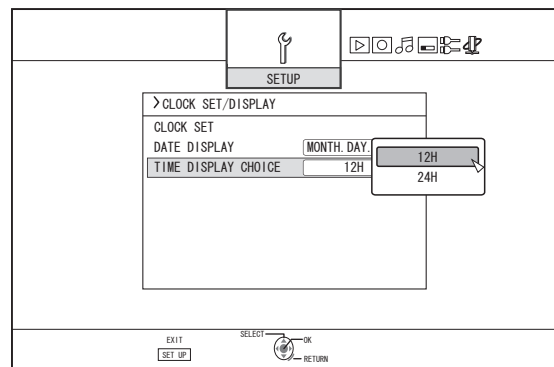
Select from "12H" or "24H".

12H : Displays the time in AM/PM format.

24H : Displays the time in 24-hour format.

6 **After selecting, press the [OK] button**
- The time display style will be saved.

Memo:
- The time display style applies to the following.
  - Current time
  - Date/time registered on the disc
  - Recording date of the title that is shown in the playback navigation screen
    (The recording date will be shown in place of the title if the title has not been input.)
  - Time of recording that is displayed in the title information display screen

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Dubbing/Importing

Bi-directional dubbing between the HDD and a BD/DVD is possible using this unit alone. Also, data can be imported to the HDD from a video camera by connecting it via i.LINK or USB.

Dubbing from the HDD to a BD/DVD

■ High-speed dubbing

Select this option if you want to significantly shorten the time required for dubbing. Make use of a BD/DVD disc that supports high-speed recording.

■ Dubbing in a specific recording mode

Select this option when you want to specify the recording mode for dubbing. Dubbing can be performed in the recording mode of your preference, such as whether to "maintain a high picture quality" or "save as many titles as possible". For details, refer to "Recording Modes" (☞ page 31) .

Memo:
• The image quality will not improve even when a recording mode with image quality higher than that of the original recording mode is chosen.
• Dubbing using a specific recording mode will cause the disc to be re-encoded.

Other options for importing data into the HDD

■ Importing data from a BD/DVD to the HDD

You can import titles from a BD/DVD.
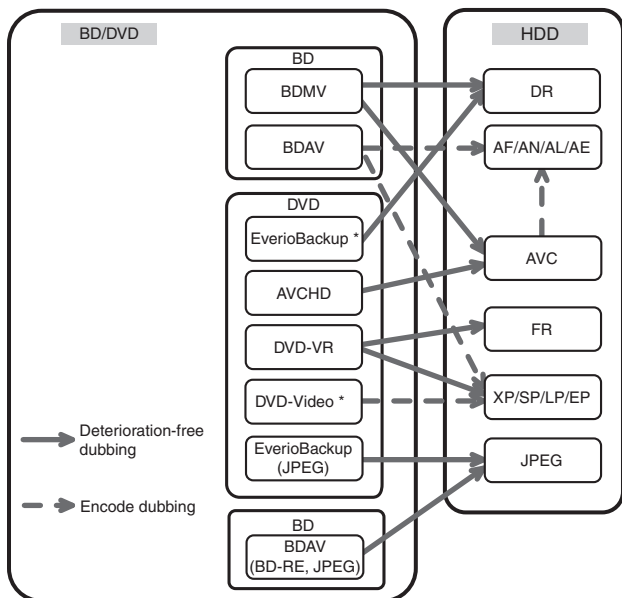
DVD-video* : Discs that are not finalized cannot be imported.

EverioBackup disc* : Data disc containing high-definition videos that are recorded in the MPEG2 format using a DVD writer for Everio.

■ Importing data from a SDHC/SD to the HDD

Videos captured using a video camera can be imported to the HDD by inserting the SDHC/SD card that the videos are saved on.

■ Importing data from a video camera to the HDD

Videos captured using a video camera can be imported to the HDD.
This unit supports video camera connections via i.LINK and USB.

Memo:
• For MOV format videos, only videos in the MOV format (SP mode and HQ mode) taken using JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM series are compatible. There is no guarantee for importing videos taken on devices by other company.
• For MXF format videos, only videos in the MXF format (SP mode and HQ mode) taken using JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM650 are compatible. There is no guarantee for importing videos taken on devices by other company.

MOV* : MOV format files recorded in the SP mode and HQ mode using the JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM series

MXF* : MXF format files recorded in the SP mode and HQ mode using JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM650

SD-VIDEO(HD)* : SD-VIDEO (JVC Everio MPEG2 TS)
SD-VIDEO(SD)* : SD-VIDEO (JVC Everio MPEG2 PS)

■ Importing data from a video deck

You can import data to the HDD from an external video deck by connecting it to a composite video or S input terminal. For details, refer to "Recording Using External Inputs" (☞ page 53) .

■ Importing from a LAN-compatible device

Data on devices connected to the LAN terminal can be imported to the HDD.
For details, refer to "Importing Data from a LAN-compatible Device to the HDD (only for SR-HD1700)" (☞ page 43) .

Memo:
- Videos that are copy-controlled cannot be imported.
- Motion JPEG is not supported

Dubbing chart

■ Dubbing the video data from the HDD

Content Quality \ Dubbing Quality	Format (BD)			Format (DVD)	
	BDMV (HD Quality)	BDAV (HD Quality)	BDAV (SD Quality)	DVD-VR	DVD-VIDEO
DR (MOV*/MXF*)	High-speed dubbing	High-speed dubbing / Re-encoding	Re-encoding	Re-encoding	Re-encoding
DR (Other)	-	High-speed dubbing / Re-encoding	Re-encoding	Re-encoding	Re-encoding
AF/AN/AL/AE	High-speed dubbing	High-speed dubbing / Re-encoding	Re-encoding	Re-encoding	Re-encoding
AVC	High-speed dubbing	High-speed dubbing / Re-encoding	Re-encoding	Re-encoding	Re-encoding
FR	-	-	Re-encoding	High-speed dubbing / Re-encoding	Re-encoding
XP/SP/LP/EP*	-	-	Re-encoding	High-speed dubbing / Re-encoding	High-speed dubbing / Re-encoding

Memo:
- High-speed dubbing to DVD-VIDEO format discs may not be performed for XP/SP/LP/EP mode titles that are not recorded using the external inputs of this unit.

EP* : High-speed dubbing to DVD-VIDEO format discs in EP mode title
   To perform high-speed dubbing of a EP mode title to a DVD-VIDEO format disc, set "HIGH-SPEED DUBBING" (☞ page 85) in the settings menu to "4:3" before recording or importing. Only re-encoding will be performed when dubbing a title that is recorded or imported with a setting other than "4:3".

MOV* : MOV format files recorded in the SP mode and HQ mode using the JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM series

MXF* : MXF format files recorded in the SP mode and HQ mode using JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM650

■ Dubbing the picture data from the HDD

Importing file (HDD)	Media	
	BDAV (BD-RE)	SDHC/SD
JPEG	✓	✓

Memo:
- Video images may be distorted in the following situations during reencoding/dubbing when the monitor (TV) is connected to this unit using an HDMI cable, or when the screen resolution is set to 1080p.
  - Proceeding with dubbing from the menu screen
  - Returning to the normal screen after dubbing has finished
- This is not a malfunction. Change the screen resolution to a setting other than 1080p if you feel that this is annoying.

Formatting

Unused discs or SD cards may require formatting in some cases.
When the need arises, format the disc or SD card accordingly.

Memo:
- Formatting a disc or SD card erases all existing data from the media.
  Double-check carefully before formatting so as not to erase important titles.

Format chart

Refer to the following chart for the disc types and format when formatting a disc.

Note:
- If a disc is formatted using an equipment not manufactured by JVC, the disc may not be read correctly even though it corresponds to the chart below.
  In this case, reformat the disc using this unit, or make use of another blank disc.

Memo:
- BD-R and DVD-R discs can only be formatted once.
- When a disc is re-formatted into another format, remove the disc and load it again.

■ DVD format chart

	Format	VR Format	Video Format
DVD-RW	Single-sided, single layer (4.7 GB)	✓	✓
DVD-R	Single-sided, single layer (4.7 GB)	✓	✓
	Single-sided, dual layer (8.5 GB)	✓	✓

✓ : Format supported.

■ BD format chart

		BDAV Format	BDMV Format
BD-RE	Single-sided, single layer (25 GB)	✓	✓
	Single-sided, dual layer (50 GB)	✓	✓
BD-R	Single-sided, single layer (25 GB)	✓	✓
	Single-sided, dual layer (50 GB)	✓	✓

✓ : Format supported.

Formatting a disc

1 Set the DVD or BD to be formatted on the disc tray

2 Press the [MEDIA MANAGE] button on the remote control unit

- The Media Management menu screen appears.

```
┌─────────────────────────────────┐
│                                 │
│      MEDIA MANAGEMENT           │
│   ◎ BD/DVD                       │
│      ┌───────────────────┐      │
│      │      FORMAT       │      │
│      ├───────────────────┤      │
│      │     FINALIZE      │      │
│      ├───────────────────┤      │
│      │   RENAME DISC     │      │
│      └───────────────────┘      │
│   ▯ SD CARD                      │
│      ┌───────────────────┐      │
│      │      FORMAT       │      │
│      ├───────────────────┤      │
│      │ BD-VIDEO DATA ERASE│     │
│      └───────────────────┘      │
│   ▢ HDD                          │
│      ┌───────────────────┐      │
│      │      FORMAT       │      │
│      └───────────────────┘      │
│                                 │
└─────────────────────────────────┘
```
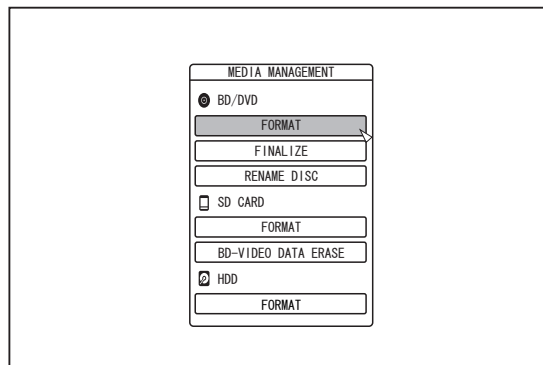
3 Select "FORMAT" from "BD/DVD"

- A format selection screen appears.

4 Select a format mode from the format selection screen

```
┌─────────────────────────────────┐
│                                 │
│   ┌───────────────────────────┐ │
│   │         CONFIRM           │ │
│   │  THE DISC WILL BE FORMATTED│ │
│   │  SELECT A FORMAT MODE     │ │
│   │  ┌─────────┐  ┌──────────┐│ │
│   │  │ VR MODE │  │VIDEO MODE││ │
│   │  └─────────┘  └──────────┘│ │
│   └───────────────────────────┘ │
│                                 │
└─────────────────────────────────┘
```
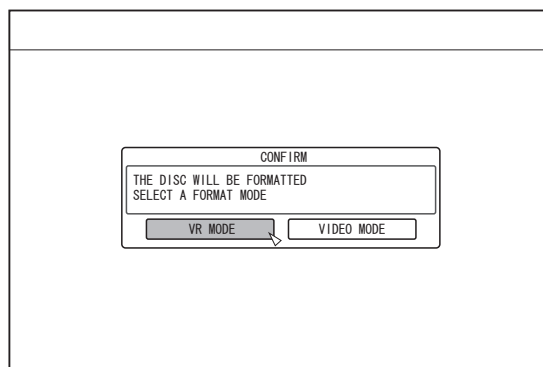
DVD : Select a "Format mode" from "VR MODE" or "VIDEO MODE".

BD : Select a "Format mode" from "BDAV MODE" or "BDMV MODE".

Memo:
- When "BDMV MODE" is selected, a "FOR DIRECT RECORDING" or "FOR DUBBING" selection screen appears after "Format mode" is selected.
- To record directly to a BDMV format disc, select "FOR DIRECT RECORDING".
- To use a BDMV format disc for purposes other than direct recording, select "FOR DUBBING".

5 **Select "YES", and press the [OK] button in the format confirmation screen**
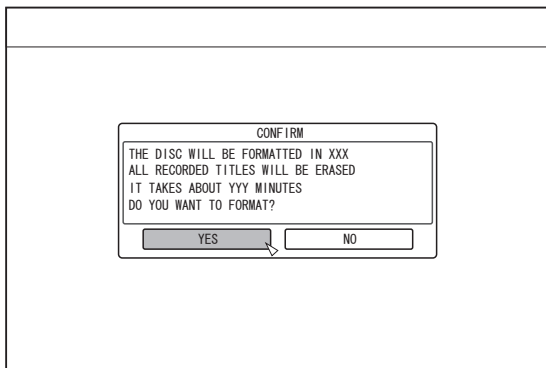
```
                    CONFIRM
 THE DISC WILL BE FORMATTED IN XXX
 ALL RECORDED TITLES WILL BE ERASED
 IT TAKES ABOUT YYY MINUTES
 DO YOU WANT TO FORMAT?

      [    YES    ]    [    NO    ]
```

• Formatting starts.
• After formatting is complete, a "THE DISC HAS BEEN FORMATTED" message appears on the monitor, and the normal screen is displayed.

```
                    CONFIRM
 THE DISC HAS BEEN FORMATTED

         [        OK        ]
```
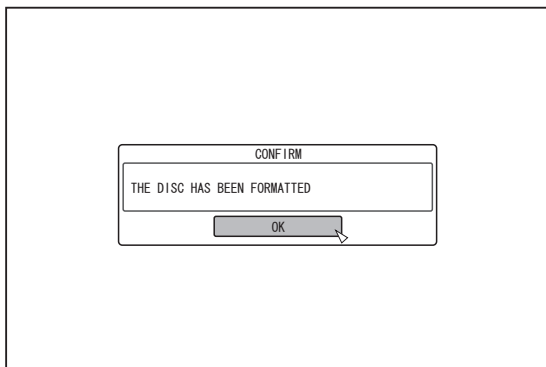
Memo:
• To return to the initial screen without formatting the disc, select "DO NOT FORMAT" and press the [OK] button. Alternatively, you can press the [RETURN] button to return to the initial screen without formatting.

Note:
• Do not turn off the power or unplug the power cable when the "FORMATTING DISC…" message is displayed.
• Note that formatting a disc with copyright-protected titles erases all the titles from the disc.

■ **Cancel formatting**

1 **Press the [OPTION] button while formatting**

```
                              OPTIONS
                              BACK
                              [ STOP ]

 ◉ FORMAT
        YOU CAN EXIT FROM THE OPTION SCREEN
```
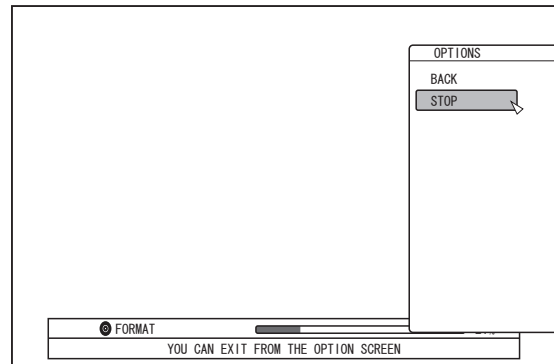
2 **Select "STOP", and press the [OK] button**
• A confirmation screen to stop formatting appears.

3 **Select "YES" on the confirmation screen and press the [OK] button**

```
                    CONFIRM
 FORMATTING WILL BE STOPPED
 STOP?
      [    YES    ]    [    NO    ]

 ◉ FORMAT  [■■■■■■        ]    33%
        YOU CAN EXIT FROM THE OPTION SCREEN
```
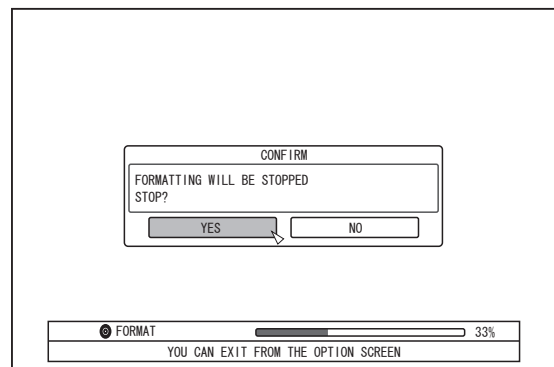
• Formatting is stopped.

Note:
• Formatting can be stopped if it seems to take a long time (more than two minutes).
• If for any reason formatting cannot be stopped, the confirmation screen for stopping formatting will not appear even if the [OPTION] button is pressed.

Formatting (Continued)

Formatting an SD Card

1 Insert the SD card to be formatted into the [SD SLOT]

• With the terminal side facing down, insert the SD card until a "click" sound is heard.
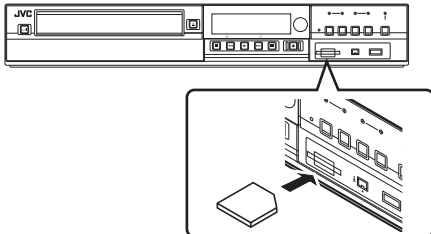
Note:
• Formatting cannot be performed if the SD card is write-protected. In this case, turn off the write-protect lock before inserting the SD card.

2 Press the [MEDIA MANAGE] button on the remote control unit

• The Media Management menu screen appears.
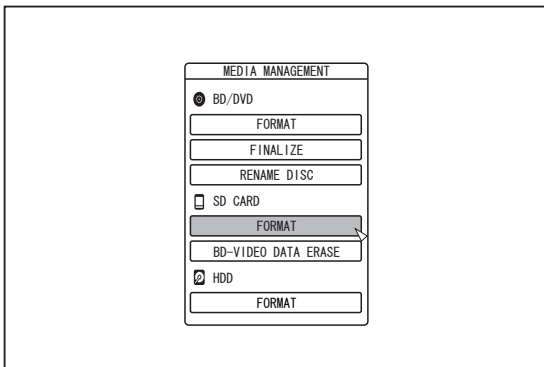
3 Select "FORMAT" from "SD CARD"

• A confirmation screen to execute formatting appears.

4 Select "YES", and press the [OK] button
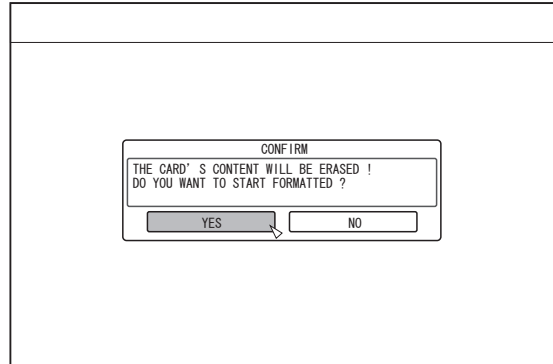
• Formatting starts.
• After formatting is complete, a "THE SD CARD HAS BEEN FORMATTED" message appears on the monitor, and the normal screen is displayed.

Memo:
• To return to the initial screen without formatting the disc, select "NO" and press the [OK] button.
Alternatively, you can press the [RETURN] button to return to the initial screen without formatting.

Note:
• Do not turn off the power or unplug the power cable when the "FORMATTING SD CARD…" message is displayed. Do not remove the SD card as well. Doing so may damage the SD card.
• Note that formatting a disc with copyright-protected titles erases all the titles from the disc.
• Once the formatting of the SD card begins, it cannot be stopped.

Recording Modes

Maximum recording time for each recording mode

You can specify a recording mode according to the intended use. Setting the video to a high picture quality shortens the maximum recording time, while setting to a lower picture quality lengthens the recording time.
Refer to the following table for the maximum recording time in the respective modes. All figures shown in the table are approximate values.

Recording Mode	Quality	BD (Single-sided, Single Layer)	BD (Single-sided, Dual Layer)	DVD (Single-sided, Single Layer)	DVD (Single-sided, Dual Layer)	HDD (500 GB) (*1)
DR	HD	1.9 hours	3.8 hours	-	-	40 hours (*2)
AF		4 hours	8 hours	-	-	80 hours
AN		6 hours	12 hours	-	-	126 hours
AL		9 hours	18 hours	-	-	189 hours
AE		12 hours	24 hours	-	-	252 hours
XP	SD	5.25 hours	10.5 hours	1 hours	1.7 hours	110 hours
SP		10.5 hours	21 hours	2 hours	3.5 hours	222 hours
LP		21 hours	42 hours	4 hours	7.1 hours	442 hours
EP		42 hours	84 hours	8 hours	14.3 hours	887 hours

*1 : If the HDD capacity is 320 GB (SR-HD1350), the recording time will be about 0.6 times the value stated.

*2 : An estimated figure when HDV is imported.

Memo:
- DR mode

   Abbreviation for Direct Recording. Videos are recorded in the original picture quality.
- AF/AN/XP/SP mode

   Recommended for recording images with fast motion, such as sports videos.
   - The AF/AN mode record images at the high-quality HD level.
   - The XP/SP modes record images at the high-quality SD level.
- AL/AE/LP mode

   Recommended for recording images with slow motion and little contrast, such as dramas.
   - AL/AE mode records images at the low-quality HD level.
   - LP mode records images at the low-quality SD level.
- EP mode

   Recommended for recording images with sharp outlines, such as animation videos, and when the recordable time (remaining time) is limited.
- You can change the recording mode by pressing the [OPTION] button on the remote control unit while playback, dubbing or editing is not in progress.
   ① **Press the [OPTION] button on the remote control unit**
   ② **Select "RECORDING MODE", and press the [OK] button on the remote control unit**
   ③ **Select "RECORDING MODE" to which you want to change, and press the [OK] button on the remote control unit**
- There may be cases where it is not possible to record up to the maximum recording time as indicated in the table due to the limitations of the BD standards.

Recording Modes (Continued)

HD picture quality

• Using BD enables dubbing to be done with HD picture quality. To dub HD picture quality titles that are imported in the HDD, it is recommended to use BD.

Note:
• Dubbing to a DVD cannot be done in HD picture quality.

DR mode

• HDV, MOV*/MXF* and SD-VIDEO (JVC Everio MPEG2 TS) titles can be imported using the DR mode.

MOV* : MOV format files recorded in the SP mode and HQ mode using the JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM series

MXF* : MXF format files recorded in the SP mode and HQ mode using JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM650

FR mode

FR mode is displayed as the recording mode in the following cases.
• FR mode during import into HDD
  During import of SD-VIDEO (JVC Everio MPEG2 PS) titles via high-speed dubbing. During import of data via high-speed dubbing from DVD-VR discs recorded using other units.
• FR mode during dubbing from HDD
  When selecting the most appropriate mode automatically between XP and EP according to the remaining memory on the disc.

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Importing Data to the HDD Using the ONE TOUCH DUBBING Button

Titles can be imported to the HDD from an SD card or device connected to a USB or i.LINK terminal simply by pressing the [ONE TOUCH DUBBING] button on the unit.

• File formats that can be imported

① **USB connection device, SD card**
AVCHD, SD-VIDEO (JVC Everio MPEG2 TS, PS), MOV*/MXF*, and JPEG

MOV* : MOV format files recorded in the SP mode using the JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM series

MXF* : MXF format files recorded in the SP mode and HQ mode using JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM650

② **i.LINK-connected device**
DV and HDV content

Memo:
• Data is searched according to the order of priority listed below when multiple devices are connected to this unit.
USB ⇨ SD card ⇨ i.LINK
Data is retrieved only from the first device and imported to the HDD. Connect only the device that contains data you want to import to the HDD.
The i.LINK connected device can only be used to import from tape media.

• All video files (scenes) imported using "ONE TOUCH DUBBING" are combined into one title.
This unit does not support combining of titles during the editing operation after import is complete. To combine and import data, select "ONE TOUCH DUBBING".

• Titles of two or more scenes cannot be combined if the recording criteria, such as video size, are different.

• Import of MOV files recorded using JVC GY-HM series SP mode 1080i requires a duration that is about 1.3 times longer than the usual time.

• Continuous recording can be performed up to the maximum recording time, however, the title is automatically divided during recording.
During recording of L-1 input signals to HDD, DVD-Video format disc, or DVD-VR format disc: 8-hour interval
During recording of DV input signals to HDD, DVD-Video format disc, or DVD-VR format disc: 8-hour interval
During recording in conditions other than those above: 24-hour interval

Note:
• Do not unplug the cable while importing to the HDD is in progress.
Doing so may result in loss or damage of the titles.

• For MOV format videos, only videos in the MOV format (SP mode) taken using JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM series are compatible. There is no guarantee for importing videos taken on devices by other company.

• Only titles that are not copyright-protected can be imported.

• Recognizing the device and importing the files may take a long time depending on the amount of files in the device or media.

■ **Procedure for one-touch importing**

1 Connect the device to be used. Alternatively, insert an SD card.

• Once preparations for importing have been done, the message below will be shown on this unit's display window.

i.LINK device : "HDV/DV RDY"
USB device : "USB RDY"
SD card : "SD RDY"

2 Press the [ONE TOUCH DUBBING] button on the unit

• One-touch importing starts.
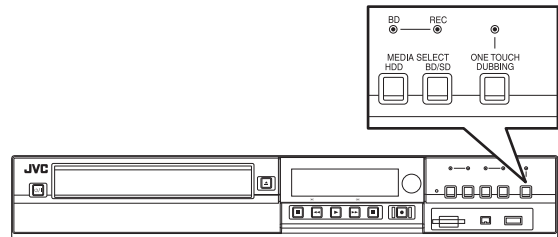
Memo:
• Refer to the following for the flow of operations by the system of this unit.

3 System checks the device connection

• The system of this unit detects the connected device. Search for devices is performed in the sequence of USB, SD card, followed by i.LINK.

4 System detects the titles to import

• All titles that can be imported will be detected and imported.

5 Importing of titles by this unit starts

6 After titles are successfully imported, a "DUBBING IS COMPLETED" message appears on the monitor
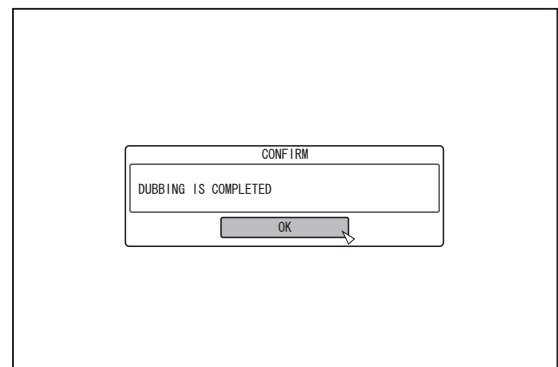
Memo:
• The following buttons are enabled when importing is in progress.

[⏻/❘] : Continues importing while switching this unit to the Standby mode.

[ONE TOUCH DUBBING] : Press this button for three seconds or longer to cancel importing.

[OPTION] : Displays a pop-up menu for canceling importing.

[ON SCREEN] : Pressing this button each time displays or hides the importing information.

Note:
• Importing stops and a message appears on the monitor if an error occurs during the importing process.

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Importing Data from a BD/DVD to the HDD

Data can be imported from a BD/DVD to the HDD as follows.

• File formats that can be imported

Videos   : BDMV, BDAV, AVCHD, DVD-VR, DVD-VIDEO, EverioBackup

Still Images : EverioBackup, BDAV (BD-RE)

Memo:

• BDMV, AVCHD and EverioBackup titles that are imported using "FULL IMPORT" are combined into one title. This unit does not support combining of titles during the editing operation after import is complete. To combine and import data, select "FULL IMPORT".

• For data that is selected for import via "SEL. TITLE(VIDEO)", titles with the same date are combined.

• Titles of two or more scenes cannot be combined if the recording criteria, such as video size, are different.

Note:

• Only titles that are not copyright-protected can be imported.

• Recognizing the device and importing the files may take a long time depending on the amount of files in the device.

■ Preparations

1 Set a BD or DVD on the disc tray

2 Press the [DUBBING] button on the remote control unit

• The importing screen appears.
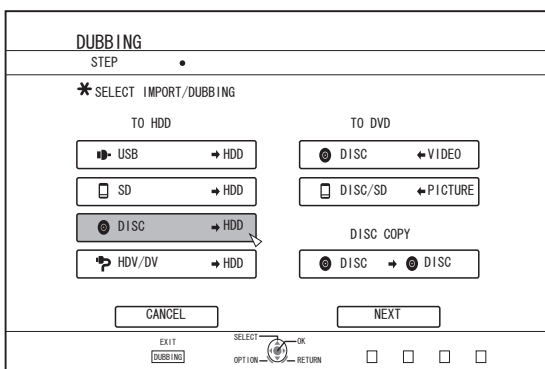
3 Select "DISC⇨HDD" in the importing screen, and press the [OK] button

• A check mark is added to the "DISC⇨HDD" item.

4 Select "NEXT", and press the [OK] button

• The import selection screen appears.

Memo:

• A recording mode selection appears instead of the import selection screen when DVD-VIDEO is detected. For details, refer to "Importing DVD-VIDEO" (☞ page 36) .

Full import

1 Select "FULL IMPORT" in the import selection screen, and press the [OK] button

• A check mark is added to the "FULL IMPORT" item.

2 Select "NEXT", and press the [OK] button

• "START" will appear instead of "NEXT" in the menu if the disc is of a format other than "BDAV". In this case, go to step 5.

3 Select "RECORDING MODE", and press the [OK] button

• A pop-up menu appears.

4 Select the "RECORDING MODE" option.

For details, refer to "Recording Modes" (☞ page 31) .

5 Select "START", and press the [OK] button
- Importing of the titles starts.
- After titles are successfully imported, a "DUBBING IS COMPLETED" message appears on the monitor.

```
                    CONFIRM

DUBBING IS COMPLETED

                      OK
```

Specify a title

1 Select "SEL. TITLE(VIDEO)" in the import selection screen, and press the [OK] button
- A check mark is added to the "SEL. TITLE(VIDEO)" item.

2 Select "NEXT", and press the [OK] button

```
        DUBBING
          STEP        • •
        ✳SELECT THE METHOD OF IMPORT

              ◎  DISC      ▶ HDD

         FULL IMPORT        ✓ SEL. TITLE (VIDEO)

         SEL. TITLE (PICTURE)

         CANCEL      BACK      NEXT
             EXIT      SELECT    OK
            DUBBING    OPTION    RETURN   □ □ □ □
```
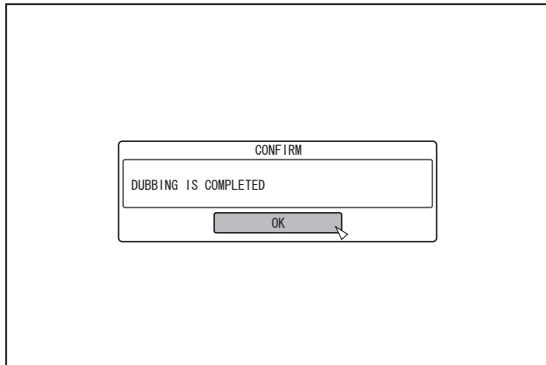
- If a "BDAV" disc is set, a recording mode selection screen will appear.
- If the disc is of a format other than "BDAV", a screen for creating an import title list will appear. In this case, go to step 5.

3 Select "RECORDING MODE", and press the [OK] button
- A pop-up menu appears.

```
        DUBBING
          STEP        • • •
        ✳SET THE RECORDING MODE

              ◎  DISC      ▶ HDD

         RECORDING MODE        SP

         CANCEL      BACK      NEXT
             EXIT      SELECT    OK
            DUBBING    OPTION    RETURN   □ □ □ □
```

4 Select the "RECORDING MODE" option.
For details, refer to "Recording Modes" (☞ page 31) .

5 Select "NEXT", and press the [OK] button
- A screen for creating the import title list appears.

6 Create an import title list
- Follow the steps below to create an import title list.
  ① **Select "ADD TITLE LIST FOR DUBBING", and press the [OK] button**
  The Title List screen is displayed.
  ② **Select the titles to import, and press the [OK] button**
  Titles selected are added to the list.

Memo:
- Press the [MARK] button. A check mark will appear beside the title.
  All titles with a check mark can be added to the list at the same time.
- Select a title from the dubbing title list, and press the [OK] button to perform the following changes.
  - Delete the selected title from the list
- Thumbnails may not be displayed during title selection depending on the discs used.

Importing Data from a BD/DVD to the HDD (Continued)

7 Select "START", and press the [OK] button
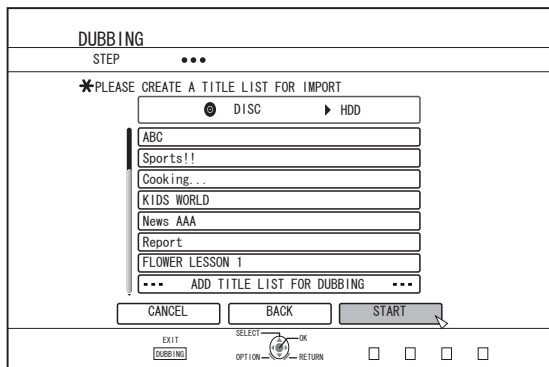
```
               DUBBING
          STEP        • • •
        ✱PLEASE CREATE A TITLE LIST FOR IMPORT
                     ◎  DISC      ▶  HDD

        │ABC                              │
        │Sports!!                         │
        │Cooking...                       │
        │KIDS WORLD                       │
        │News AAA                         │
        │Report                           │
        │FLOWER LESSON 1                  │
        │• • •  ADD TITLE LIST FOR DUBBING  • • •│

          CANCEL        BACK        START

            EXIT        SELECT      OK
           DUBBING    OPTION    RETURN   □ □ □ □
```

- Importing of titles starts according to the sequence in the created title list.
- After titles are successfully imported, a "DUBBING IS COMPLETED" message appears on the monitor.

```
                    CONFIRM
          ┌──────────────────────────┐
          │ DUBBING IS COMPLETED     │
          │                          │
          │          OK              │
          └──────────────────────────┘
```
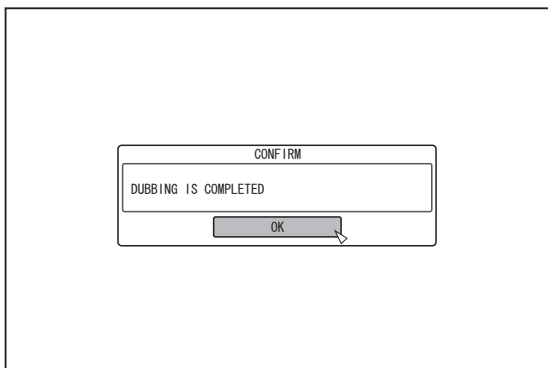
Note:
- "START" cannot be selected for the following cases.
  - A title that cannot be dubbed has been selected
  - HDD memory is insufficient
  - The amount of titles in the HDD has reached the maximum amount
  - A dubbing title list has not been created

Check "Troubleshooting" (☞ page 110) , and operate accordingly.

Importing DVD-VIDEO

When DVD-VIDEO is detected, a recording mode selection screen appears.
Follow the steps below to import DVD-VIDEO to the HDD.

1 Select "RECORDING MODE", press the [OK] button, and select "RECORDING MODE" from the recording mode selection screen

- Select the "RECORDING MODE" option.

```
               DUBBING
          STEP        • • •
        ✱SET THE RECORDING MODE

                ◎  DISC      ▶  HDD


         RECORDING MODE          SP

          CANCEL        BACK        START

            EXIT        SELECT      OK
           DUBBING    OPTION    RETURN   □ □ □ □
```

For details, refer to "Recording Modes" (☞ page 31) .

2 Select "START", and press the [OK] button
- Importing of the titles starts.
- After titles are successfully imported, a "DUBBING IS COMPLETED" message appears on the monitor.

```
                    CONFIRM
          ┌──────────────────────────┐
          │ DUBBING IS COMPLETED     │
          │                          │
          │          OK              │
          └──────────────────────────┘
```
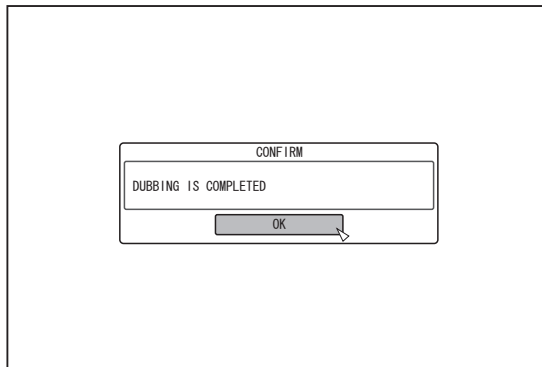
Memo:
- If the first play setting of the DVD-video has been set to top menu or other settings, the title will not playback.
  If playback does not start, press the play button or playback the DVD-Video.

Canceling importing

■ To cancel importing before it starts
- Select "CANCEL" from the menu, and press the [OK] button to cancel importing of a title.
- Alternatively, you can press the [RETURN] button to cancel importing and return to the initial screen.

■ To cancel importing while it is in progress
- Press the [OPTION] button to display the pop-up menu. Select "CANCEL" from the pop-up menu and press the [OK] button. Doing so imports data to the HDD up to the position where you have chosen to stop.
- Importing will also be stopped when the [■] button is pressed to stop playback.

Importing Data from a USB-compatible Device to the HDD

Data on devices connected to the USB terminal can be imported to the HDD as follows.

- File formats that can be imported

  AVCHD, SD-VIDEO (JVC Everio MPEG2 TS, PS), MOV*/ MXF*, and JPEG

  MOV* : MOV format files recorded in the SP mode and HQ mode using the JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM series

  MXF* : MXF format files recorded in the SP mode and HQ mode using JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM650

Memo:
- Titles that are imported using "FULL IMPORT" combined into one title. This unit does not support combining of titles during the editing operation after import is complete. To combine and import data, select "FULL IMPORT". However, titles of MXF files will not be combined.
- For data that is selected for import via "SEL. TITLE(VIDEO)", titles with the same date are combined.
- Titles of two or more scenes cannot be combined if the recording criteria, such as video size, are different.
- Import of MOV files recorded using JVC GY-HM series SP mode 1080i requires a duration that is about 1.3 times longer than the usual time.

Note:
- Turn off the power for this unit and the connecting device if an USB compatible device is to be connected to this unit.
- Do not unplug the USB cable while importing a title. Doing so may result in loss or damage of the titles.
- Only titles that are not copyright-protected can be imported.
- For MOV format videos, only videos in the MOV format (SP mode and HQ mode) taken using JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM series are compatible. There is no guarantee for importing videos taken on devices by other company.
- Recognizing the device and importing the files may take a long time depending on the amount of files in the USB device.
- If a USB connection is used, this unit will only recognize one device out of all the recording devices.
  Depending on the video camera, the memory card slot will be recognized but the internal device will not be recognized. Use the following methods to solve this.
  - If the internal device is not recognized:
    Copy the data from the camera's internal memory or HDD onto the SD card.
  - If using a JVC camcorder that has two memory card slots:
    Put the memory card that has the required data in slot A.
- If the target device is not recognized using the USB connection, use the camcorder's burner or a similar device to dub the disc before proceeding with dubbing on this unit. For details, refer to "Importing Data from a BD/DVD to the HDD" (☞ page 34) .
- When importing videos from a USB-connected camcorder, data reading from the internal memory of the camcorder may fail. If both the camcorder's internal memory and SD card are available, the SD card may be detected first. To prevent this from occurring, remove the SD card before reading data from the internal memory.

■ Preparations

1 Connect the USB device (Everio, etc.) to this unit using a USB cable

Memo:
- After connecting the USB cable, turn on the camera and switch the mode of the camera.
  (Choose "Connect to a computer" or a similar option. For details refer to the camera's instruction manual.)
- "USB RDY" appears on the display window of the unit when an USB device is recognized.

2 Press the [DUBBING] button on the remote control unit

- The importing screen appears.
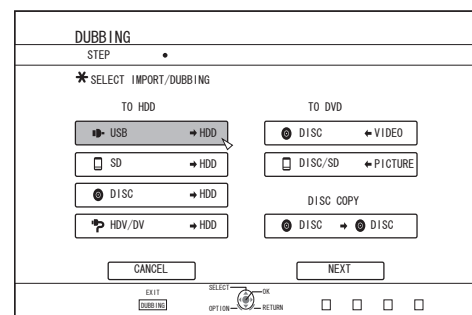
3 Select "USB⇨HDD" in the importing screen, and press the [OK] button

- A check mark is added to the "USB⇨HDD" item.

4 Select "NEXT", and press the [OK] button
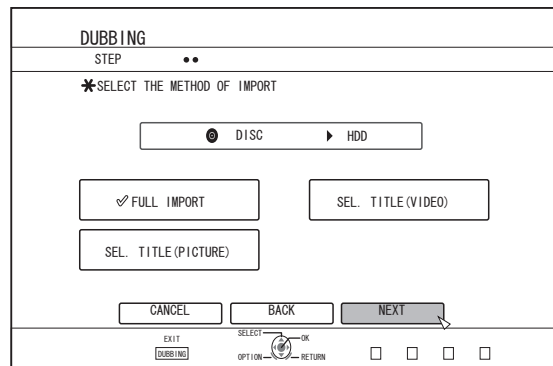
- The import selection screen appears.

Full import

1 Select "FULL IMPORT" in the import selection screen, and press the [OK] button

- A check mark is added to the "FULL IMPORT" item.

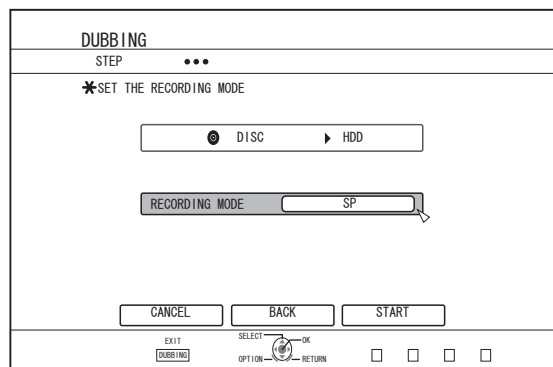**2 Select "START", and press the [OK] button**

- Importing of the titles starts.

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Importing Data from a USB-compatible Device to the HDD (Continued)

- After titles are successfully imported, a "DUBBING IS COMPLETED" message appears on the monitor.

```
                    CONFIRM

        DUBBING IS COMPLETED

                      OK
```
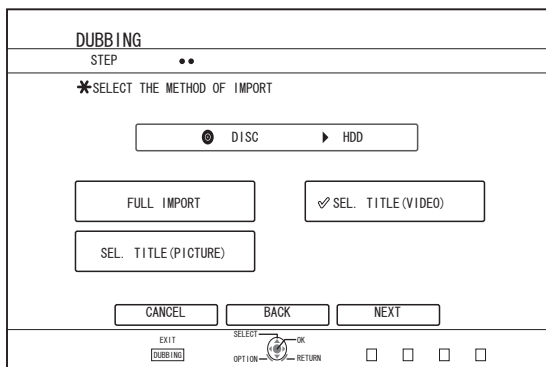
Specify a title

1 Select "SEL. TITLE(VIDEO)" in the import selection screen, and press the [OK] button

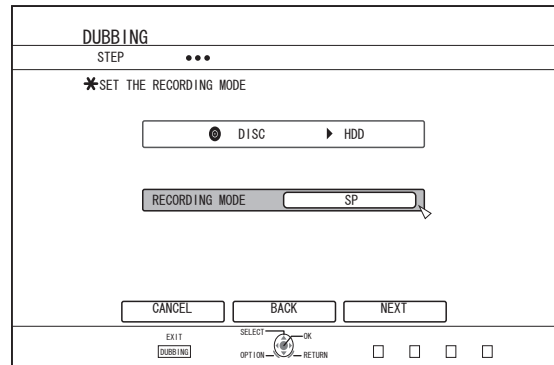- A check mark is added to the "SEL. TITLE(VIDEO)" item.

2 Select "NEXT", and press the [OK] button

```
    DUBBING
        STEP        ● ●
    ✱ SELECT THE METHOD OF IMPORT

              ▮▶  USB        ▶  HDD

        FULL IMPORT           ✓ SEL. TITLE(VIDEO)

        SEL. TITLE(PICTURE)

           CANCEL      BACK       NEXT

          EXIT      SELECT      OK
         DUBBING    OPTION      RETURN    □  □  □  □
```

- A screen for creating the import title list appears.

3 Create an import title list

- Follow the steps below to create an import title list.

① **Select "ADD TITLE LIST FOR DUBBING", and press the [OK] button**
The Title List screen is displayed.

② **Select the titles to import, and press the [OK] button**
Titles selected are added to the list.

Memo:
- Press the [MARK] button. A check mark will appear beside the title.
  All titles with a check mark can be added to the list at the same time.
- Select a title from the dubbing title list, and press the [OK] button to perform the following changes.
  - Delete the selected title from the list
- Thumbnails will not be displayed when a title is selected.

4 Select "START", and press the [OK] button

```
    DUBBING
        STEP        ● ● ●
    ✱ PLEASE CREATE A TITLE LIST FOR IMPORT

              ▮▶ USB         ▶ HDD
        2009. 8. 10 PM11:00
        2009. 8. 10 PM10:30
        2009. 8. 10 PM10:00
        2009. 8.  9 AM 9:30
        2009. 8.  9 AM 9:00
        2009. 8.  9 AM 8:30
        2009. 8.  9 AM 8:00
        ● ● ●   ADD TITLE LIST FOR DUBBING   ● ● ●

           CANCEL      BACK       START

          EXIT      SELECT      OK
         DUBBING    OPTION      RETURN    □  □  □  □
```

- Importing of titles starts according to the sequence in the created title list.
- After titles are successfully imported, a "DUBBING IS COMPLETED" message appears on the monitor.

```
                    CONFIRM

        DUBBING IS COMPLETED

                      OK
```
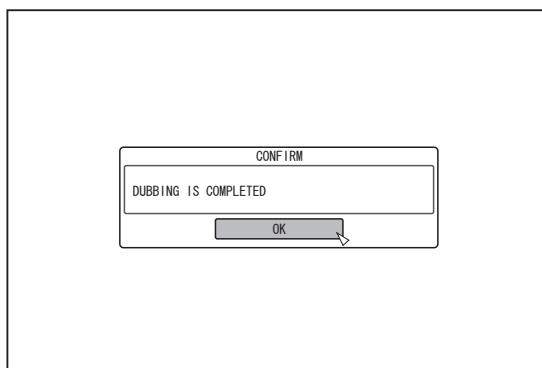
Note:
- "START" cannot be selected for the following cases.
  - A title that cannot be dubbed has been selected
  - HDD memory is insufficient
  - The amount of titles in the HDD has reached the maximum amount
  - A dubbing title list has not been created

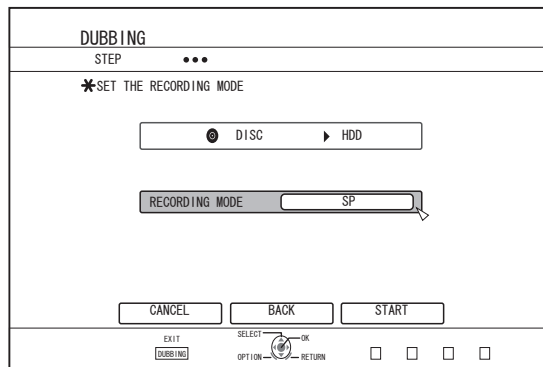Check "Troubleshooting" (☞ page 110) , and operate accordingly.

Canceling importing

■ To cancel importing before it starts

- Select "CANCEL" from the menu, and press the [OK] button to cancel importing of a title.
- Alternatively, you can press the [RETURN] button to cancel importing and return to the initial screen.

■ To cancel importing while it is in progress

- Press the [OPTION] button. Select "CANCEL" from the Cancel Importing menu, and press the [OK] button. Doing so imports data to the HDD up to the position where you have chosen to stop.

Importing Data from an SD Card to the HDD

Data can be imported from a SD (SDHC) card to the HDD as follows.

- File formats that can be imported

  AVCHD, SD-VIDEO (JVC Everio MPEG2 TS, PS), MOV*/ MXF*, and JPEG

  MOV* : MOV format files recorded in the SP mode and HQ mode using the JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM series

  MXF* : MXF format files recorded in the SP mode and HQ mode using JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM650
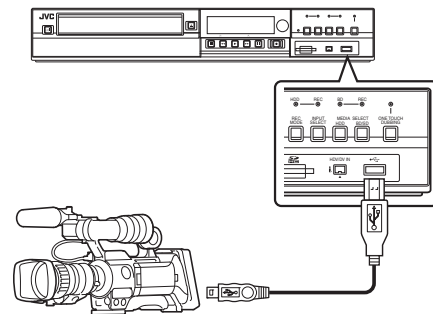
Memo:
- The SD SLOT does not support SDXC cards.
- To use an SDXC card, connect a SDXC-compatible USB card reader (sold separately) via USB connection.
- This unit may not recognize the SD card if a USB card reader with three or more card slots is used.
- Use a card reader with no more than two card slots.
- Titles that are imported using "FULL IMPORT" combined into one title. This unit does not support combining of titles during the editing operation after import is complete. To combine and import data, select "FULL IMPORT". However, titles of MXF files will not be combined.
- For data that is selected for import via "SEL. TITLE(VIDEO)", titles with the same date are combined.
- Titles of two or more scenes cannot be combined if the recording criteria, such as video size, are different.
- Import of MOV files recorded using JVC GY-HM series SP mode 1080i requires a duration that is about 1.3 times longer than the usual time.

Note:
- Do not remove the SD card when importing of the titles is in progress or when the importing screen is displayed. Doing so may result in loss or damage of the titles.
- For MOV format videos, only videos in the MOV format (SP mode and HQ mode) taken using JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM series are compatible. There is no guarantee for importing videos taken on devices by other company.
- For MXF format videos, only videos in the MXF format (SP mode and HQ mode) taken using JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM650 are compatible. There is no guarantee for importing videos taken on devices by other company.
- Only titles that are not copyright-protected can be imported.

■ Preparations

1 **Insert the SD (SDHC) card into the [SD SLOT]**

Memo:
- "SD RDY" appears on the display window of the unit when an SD card is recognized.

2 **Press the [DUBBING] button on the remote control unit**

- The importing screen appears.
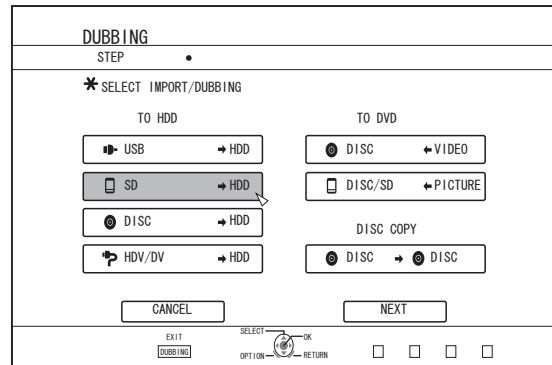
3 **Select "SD⇨HDD" in the importing screen, and press the [OK] button**

- A check mark is added to the "SD⇨HDD" item.

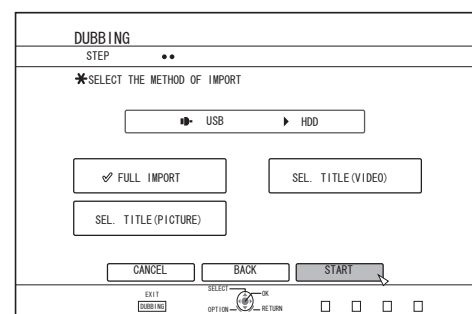*4* **Select "NEXT", and press the [OK] button**

- The import selection screen appears.

Full import

1 **Select "FULL IMPORT" in the import selection screen, and press the [OK] button**

- A check mark is added to the "FULL IMPORT" item.

2 **Select "START", and press the [OK] button**
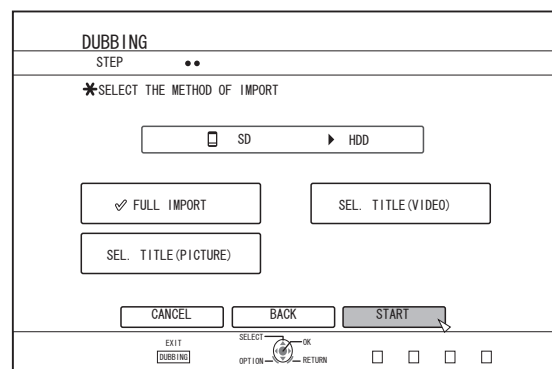
- Importing of the titles starts.
- After titles are successfully imported, a "DUBBING IS COMPLETED" message appears on the monitor.

Memo:
- Choose "BACK" from the menu and press the [OK] button to return to the previous screen.

Importing Data from an SD Card to the HDD (Continued)

Specify a title

1 Select "SEL. TITLE(VIDEO)" in the import selection screen, and press the [OK] button

• A check mark is added to the "SEL. TITLE(VIDEO)" item.

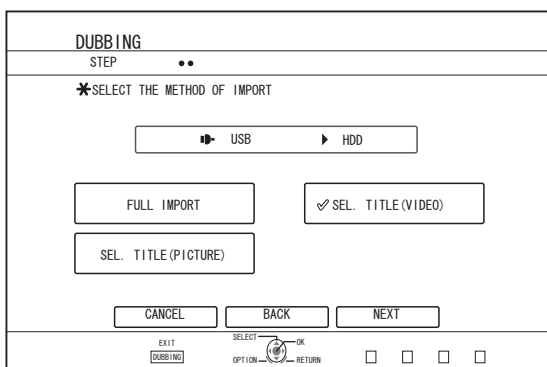### 2 Select "NEXT", and press the [OK] button

```
DUBBING
    STEP        ● ●
✱SELECT THE METHOD OF IMPORT

            ▯   SD         ▶  HDD

    ┌─────────────────┐   ┌─────────────────────┐
    │  FULL IMPORT    │   │ ✓ SEL. TITLE(VIDEO) │
    └─────────────────┘   └─────────────────────┘
    ┌─────────────────────┐
    │ SEL. TITLE(PICTURE) │
    └─────────────────────┘

    ┌────────┐  ┌──────┐  ┌──────┐
    │ CANCEL │  │ BACK │  │ NEXT │
    └────────┘  └──────┘  └──────┘
         EXIT        SELECT      OK
        DUBBING     OPTION      RETURN    □  □  □  □
```

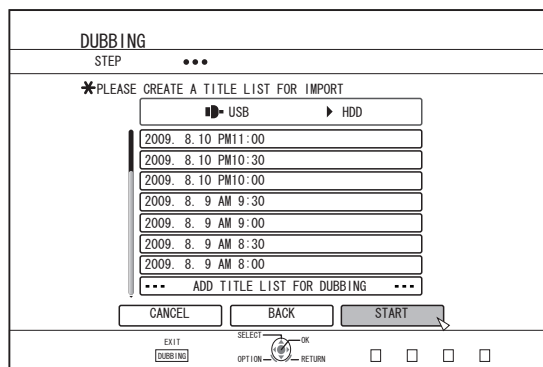• A screen for creating the import title list appears.

3 Create an import title list

• Follow the steps below to create an import title list.

① **Select "ADD TITLE LIST FOR DUBBING", and press the [OK] button**
The Title List screen is displayed.

② **Select the titles to import, and press the [OK] button**
Titles selected are added to the list.

Memo:
• Press the [MARK] button. A check mark will appear beside the title.
All titles with a check mark can be added to the list at the same time.
• Select a title from the dubbing title list, and press the [OK] button to perform the following changes.
  • Delete the selected title from the list
• When there are files of different formats (AVCHD, SD-VIDEO, MOV*/MXF*) in the SD card, press the [RED] button to select the format you want to display.

MOV* : MOV format files recorded in the SP mode and HQ mode using the JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM series

MXF* : MXF format files recorded in the SP mode and HQ mode using JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM650
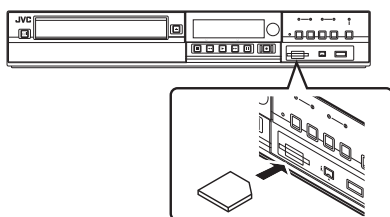
4 Select "START", and press the [OK] button
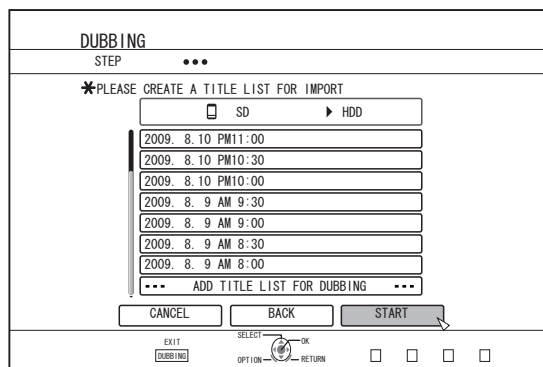
```
DUBBING
    STEP        ● ● ●
✱PLEASE CREATE A TITLE LIST FOR IMPORT

            ▯   SD         ▶  HDD
    ┌─────────────────────────────────┐
    │ 2009. 8.10 PM11:00              │
    │ 2009. 8.10 PM10:30              │
    │ 2009. 8.10 PM10:00              │
    │ 2009. 8. 9 AM 9:30              │
    │ 2009. 8. 9 AM 9:00              │
    │ 2009. 8. 9 AM 8:30              │
    │ 2009. 8. 9 AM 8:00              │
    │ ··· ADD TITLE LIST FOR DUBBING ···│
    └─────────────────────────────────┘
    ┌────────┐  ┌──────┐  ┌───────┐
    │ CANCEL │  │ BACK │  │ START │
    └────────┘  └──────┘  └───────┘
         EXIT        SELECT      OK
        DUBBING     OPTION      RETURN    □  □  □  □
```

• Importing of titles starts according to the sequence in the created title list.
• After titles are successfully imported, a "DUBBING IS COMPLETED" message appears on the monitor.

```
        ┌────────────────────────┐
        │        CONFIRM         │
        │                        │
        │ DUBBING IS COMPLETED   │
        │                        │
        │        ┌──────┐        │
        │        │  OK  │        │
        │        └──────┘        │
        └────────────────────────┘
```
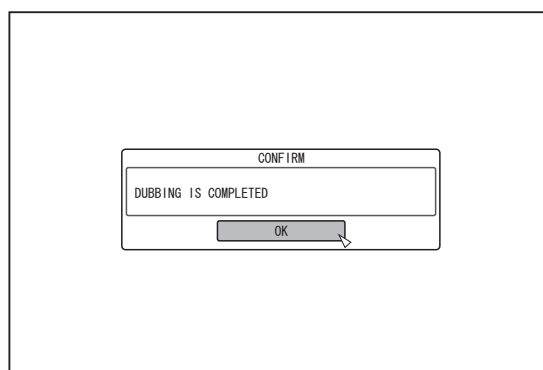
Memo:
• Choose "BACK" from the menu and press the [OK] button to return to the previous screen.

Note:
• "START" cannot be selected for the following cases.
  • A title that cannot be dubbed has been selected
  • HDD memory is insufficient
  • The amount of titles in the HDD has reached the maximum amount
  • A dubbing title list has not been created

Check "Troubleshooting" (☞ page 110) , and operate accordingly.
• Thumbnails will not be displayed when a title is selected.

Canceling importing

■ To cancel importing before it starts

• Select "CANCEL" from the menu, and press the [OK] button to cancel importing of a title.
• Alternatively, you can press the [RETURN] button to cancel importing and return to the initial screen.

■ To cancel importing while it is in progress

• Press the [OPTION] button. Select "CANCEL" from the Cancel Importing menu, and press the [OK] button. Doing so imports data to the HDD up to the position where you have chosen to stop.

Importing Data from an i.LINK-compatible Device to the HDD

Data on devices connected to the i.LINK terminal can be imported to the HDD as follows.

- Video formats that can be imported:

  DV and HDV content

Memo:
- Only titles that are not copyright-protected can be imported.
- Devices that have in-built copyright protection such as D-VHS and digital tuners cannot be connected. This unit only allows import from tape media.
- Importing will not be performed if no tape has been inserted into the HDV/DV camera.
- Importing will be cancelled when the mode is changed from HDV to DV or vice versa.
- For camcorders that support both HDV and DV recording, use only one of the modes for recording and playback.
- There is no support for editing using a connected PC.
- Only one i.LINK device can be connected to this unit at a time.

Note:
- Turn off the power for this unit and the connecting device when connecting using an i.LINK compatible device.
- Do not unplug the i.LINK cable while importing to the HDD is in progress.
  Doing so may result in loss or damage of the titles.
- For example, during full import of HDV content from JVC GY-HD100 via i.LINK connection, the beginning of the image may not be captured if GY-HD100 is not set as follows.
  (1) Set the [IEEE1394] switch at the rear of the GY-HD100 unit to [HDV] or [DV] according to the recorded content.
  (2) Set [MENU]/[VIDEO FORMAT]/[PB TAPE] on the GY-HD100 unit to [HDV] or [DV].
  (As with (1), set according to the recorded content. Setting to [AUTO] is not allowed.)
  (3) Check to ensure that the [HDV] or [DV] lamp on the side of the GY-HD100 unit is lit.
  (Check to ensure that the lamp that is lit corresponds to the setting in (1) and (2).)
  When importing from a tape that contains data captured in the HDV recording and DV recording modes, change the video camera setting according to each recording mode, check to ensure that the corresponding lamp in (3) is lit, and choose to start import from the current position.

■ Preparations

1 Connect the device (camera, etc.) to this unit using an i.LINK cable
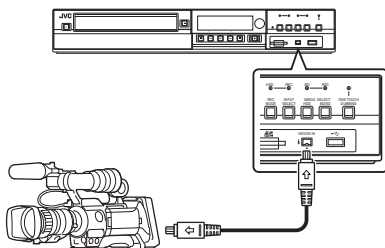
Memo:
- After the device (camera, etc.) has been connected using an i.Link cable, turn on the power of the device and switch it to playback mode. (refer to the device's (camera, etc.) instruction manual for more details.)
- "HDV/DV RDY" appears on the display window of the unit when an i.LINK device is recognized.

2 Press the [DUBBING] button on the remote control unit
- The importing screen appears.
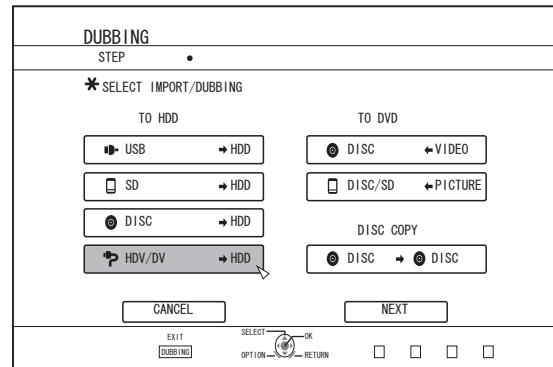
3 Select "HDV/DV⇨HDD" in the importing screen, and press the [OK] button
- A check mark is added to the "HDV/DV⇨HDD" item.

**4 Select "NEXT", and press the [OK] button**
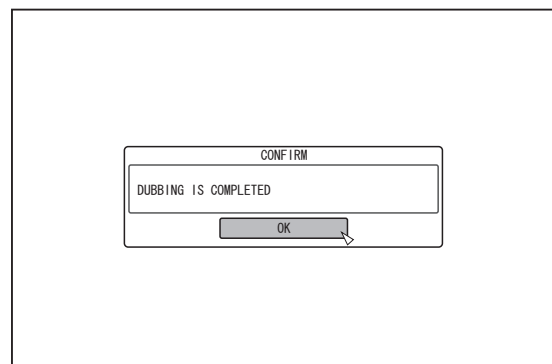- The import selection screen appears.

Imports data from the beginning

You can import videos from the beginning till the end as follows. If the current position is halfway through the tape, import after rewinding the tape to the beginning.

1 Select "IMPORT FROM BEGINNING", and press the [OK] button
- A check mark is added to the "IMPORT FROM BEGINNING" item.

2 Select "NEXT", and press the [OK] button
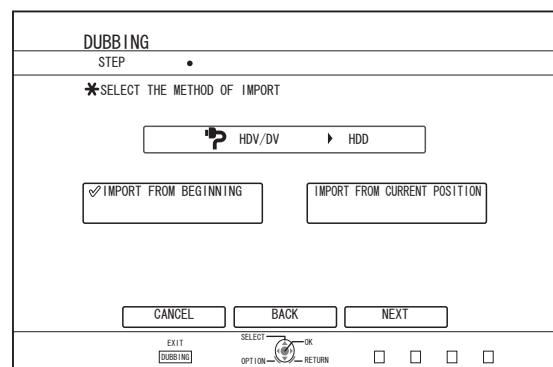
- A recording mode selection screen appears.

3 Select "RECORDING MODE", press the [OK] button, and select from the pop-up menu

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Importing Data from an i.LINK-compatible Device to the HDD (Continued)

• Select "XP", "SP", "LP", or "EP" from the "RECORDING MODE" option.
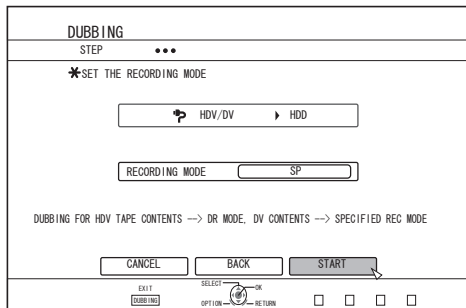
```
DUBBING
STEP        •••
✱SET THE RECORDING MODE

        🅟  HDV/DV      ▶  HDD

     RECORDING MODE          SP

DUBBING FOR HDV TAPE CONTENTS ―→ DR MODE, DV CONTENTS ―→ SPECIFIED REC MODE

     CANCEL        BACK          START

        EXIT        SELECT   OK
        DUBBING     OPTION   RETURN   □  □  □  □
```

Memo:
• HDV contents will be imported in DR mode.

For details, refer to "Recording Modes" (☞ page 31) .

4 Select "START", and press the [OK] button

• Importing of the titles starts.
• After titles are successfully imported, a "DUBBING IS COMPLETED" message appears on the monitor.

```
CONFIRM
DUBBING IS COMPLETED
        OK
```
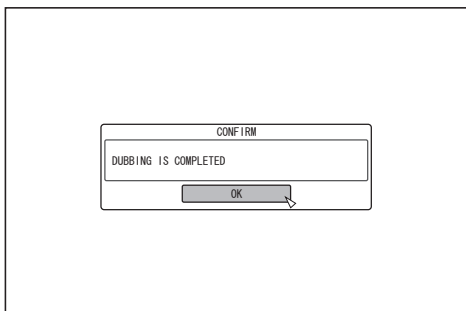
Imports data from current position

You can import videos from the current tape position till the end as follows.

1 Select "IMPORT FROM CURRENT POSITION", and press the [OK] button

• A check mark is added to the "IMPORT FROM CURRENT POSITION" item.

2 Select "NEXT", and press the [OK] button
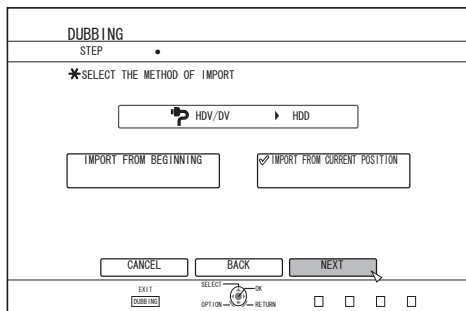
```
DUBBING
STEP        •
✱SELECT THE METHOD OF IMPORT

        🅟  HDV/DV      ▶  HDD

  IMPORT FROM BEGINNING    ☑ IMPORT FROM CURRENT POSITION

     CANCEL        BACK          NEXT

        EXIT        SELECT   OK
        DUBBING     OPTION   RETURN   □  □  □  □
```

• A recording mode selection screen appears.

3 Select "RECORDING MODE" and press the [OK] button to display the pop-up menu

• Select "XP", "SP", "LP", or "EP" from the "RECORDING MODE" option.

```
DUBBING
STEP        •••
✱SET THE RECORDING MODE

        🅟  HDV/DV      ▶  HDD

     RECORDING MODE          SP

DUBBING FOR HDV TAPE CONTENTS ―→ DR MODE, DV CONTENTS ―→ SPECIFIED REC MODE

     CANCEL        BACK          START

        EXIT        SELECT   OK
        DUBBING     OPTION   RETURN   □  □  □  □
```

Memo:
• HDV contents will be imported in DR mode.

For details, refer to "Recording Modes" (☞ page 31) .

4 Select "START", and press the [OK] button

• Importing of the titles starts.
• After titles are successfully imported, a "DUBBING IS COMPLETED" message appears on the monitor.

```
CONFIRM
DUBBING IS COMPLETED
        OK
```

Canceling importing

■ To cancel importing before it starts

• Select "CANCEL" from the menu, and press the [OK] button to cancel importing of a title.
• Alternatively, you can press the [RETURN] button to cancel importing and return to the initial screen.

■ To cancel importing while it is in progress

• Press the [OPTION] button. Select "CANCEL" from the Cancel Importing menu, and press the [OK] button. Doing so imports data to the HDD up to the position where you have chosen to stop.

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Importing Data from a LAN-compatible Device to the HDD (only for SR-HD1700)

Data on devices connected to the LAN terminal can be imported to the HDD as follows.

- File formats that can be imported
  MOV (MPEG2-TS), MXF (MPEG2-TS)

- Image resolutions that can be imported
  (for NTSC)
  1920x1080/59.94i, 1920x1080/29.97p, 1920x1080/23.98p, 1440x1080/59.94i,
  1280x720/59.94p, 1280x720/29.97p, 1280x720/23.98p
  (for PAL)
  1920x1080/50i, 1920x1080/25p, 1440x1080/50i,
  1280x720/50p, 1280x720/25p

Memo:
- Still image files cannot be imported.

- MOV (H.264) and MXF (H.264) files cannot be imported.

- SR-HD1350 does not support import from a LAN-compatible device.

■ Preparations

1 **Connect the LAN device (PC, etc.) to this unit using a LAN cable**
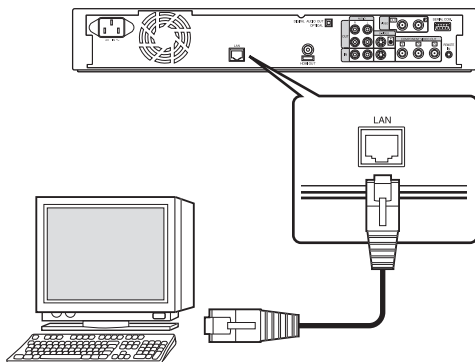
Memo:
- Execute the network setting.
  For details, refer to "NETWORK SETTING(only for SR-HD1700)" (☞ page 90) .

- Make use of FTP for file transfer.

- Use the PC as the FTP client, and this unit as the FTP server.

2 **Perform FTP transfer**
- Importing of the files starts.

Memo:
- Do not unplug the LAN cable while importing to the HDD is in progress.

- You can execute FTP transfer with multiple files selected.

- In the event that an error occurs during FTP transfer, import of the file for which transfer is in progress and those that are not transferred will be canceled.

- Make use of an FTP client software for FTP transfer.
  Examples of FTP client software
  Windows ： FTP client function of Internet Explorer, etc.
  Mac OS ： Cyberduck, etc.

- To import to the HDD, the capacity of the HDD must be twice the size of the transfer files.
  The available disk space in the HDD is stated in the Readme.txt (*1) file.
  Download the file to check when transferring the files.

  (*1) ： The file is located in the current directory of the HDD in this unit.

- Setting items for FTP communication

user (user name)	: Optional
pass (password)	: Optional
mode	: Either passive or active
port (port number)	: 21

Dubbing a Title from the HDD to a BD/DVD

Titles stored in the internal HDD can be dubbed to a BD/DVD as follows.

Memo:
- Disc types that can be used for dubbing with this unit are: BD-RE, BD-R, DVD-RW, and DVD-R.

For details, refer to "Discs that enable both dubbing and playback" (☞ page 13) .

- HD content for which the delete scene operation has been applied cannot be dubbed to BDMV. Perform seamless conversion before starting a dubbing operation.
- Contents imported from HDV (DR mode) and HD Everio cannot be dubbed to a BDMV disc. Perform mode conversion before starting a dubbing operation.

For details, refer to "Mode conversion" (☞ page 81) .

Note:
- The following high bit-rate files may not meet the Blu-ray Disc standards when they are dubbed to a BD.
  - When a BDAV/BDMV disc is created (high-speed dubbing) by importing content recorded in the JVC GY-HM series (SP mode or HQ mode).
  - When a BDAV disc is created (high-speed dubbing) by importing content captured in the JVC GZ-HD7/6 etc FHD mode.
  - When a BDAV/BDMV disc is created by importing content that is captured using another video camera at a peak bit-rate that exceeds 28.8 Mbps.
- If the Blu-ray Disc standards are not met, playback on another player may fail. To ensure that the standards are satisfied, perform high-speed dubbing after converting the recording mode, or perform dubbing by specifying a recording mode.

Dubbing from the HDD to a BD/DVD

■ Preparation

1 Set a BD or DVD on the disc tray
Memo:
- A message appears on the monitor in the following cases where a disc cannot be written to. Take the necessary actions according to the message.
  - When an incompatible disc type is set
  - When there is insufficient space on the set disc
  - When a finalized disc is set

2 Press the [DUBBING] button on the remote control unit
- The Dubbing menu screen appears.

3 On this screen, select "DISC⇔VIDEO"
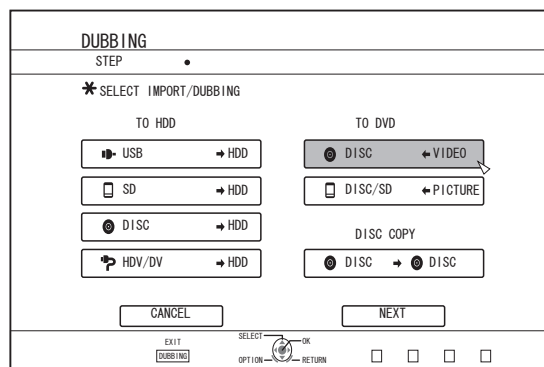
- A check mark is added to the "DISC⇔VIDEO" item.

4 Select "NEXT", and press the [OK] button
Memo:
- Dubbing can also be performed from the Playback Navigation screen.
  ① **Select the titles to dub, and press the [OPTION] button**
  ② **Select "DUB", and press the [OK] button**
  ③ **Follow Steps 3 to 4 of "Preparation"**

■ Dubbing titles

1 Select "RECORDING FORMAT", and press the [OK] button
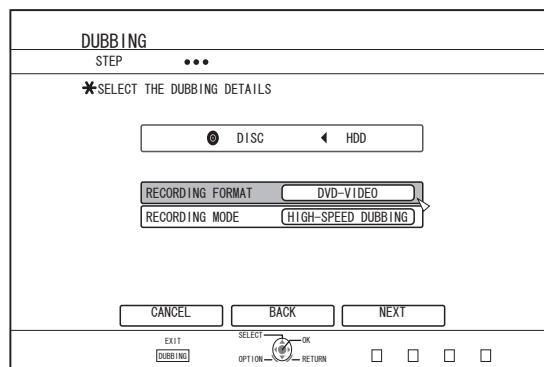
- Choose a format.

For details, refer to "Format chart" (☞ page 28) .

2 Select "RECORDING MODE", and press the [OK] button
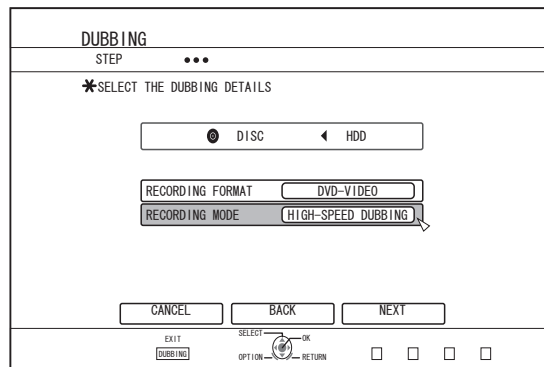
- Select "HIGH-SPEED DUBBING" or a recording mode of your preference.

Memo:
- High-speed dubbing

  Select this option if you want to significantly shorten the time required for dubbing.

  Make use of a disc that supports high-speed recording.
- AF/AN/AL/AE

  Can be selected for BD-R and BD-RE. Dubbing is done with HD picture quality.
- XP/SP/LP/EP

  Dubbing is done with SD picture quality.
- FR

  An appropriate mode will be chosen automatically between XP to EP according to the remaining memory on the disc.

For details, refer to "Dubbing chart" (☞ page 27) and "Recording Modes" (☞ page 31) .

3 Select "NEXT", and press the [OK] button
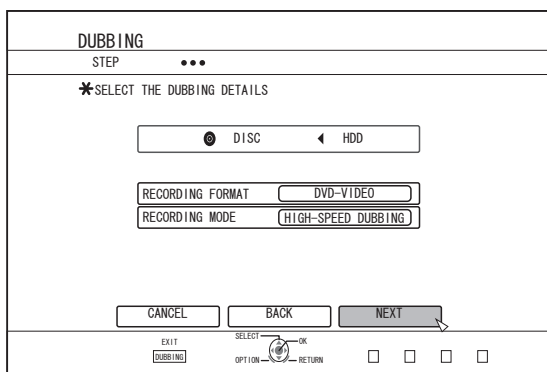
- A screen for creating a dubbing title list appears.

4 Create a dubbing title list
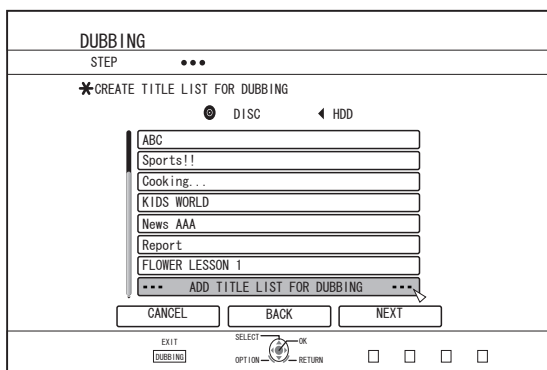
- Follow the steps below to create a dubbing title list.
  ① **Select "ADD TITLE LIST FOR DUBBING", and press the [OK] button**
  ② **Select the titles to dub, and press the [OK] button**

Memo:
- Press the [MARK] button. A check mark will appear beside the title.

  All titles with a check mark can be added to the list at the same time.
- Select a title from the dubbing title list, and press the [OK] button to perform the following changes.
  - Delete the selected title from the list
  - Change the list arrangement
  - Change the name of the selected title

  Select "RENAME TITLE", and press the [OK] button to change the title of the dubbing source. Dubbing of the new title is performed.
- The recording mode and recording time of the selected video title is displayed at the top right corner of the screen.

5 Select "NEXT", and press the [OK] button
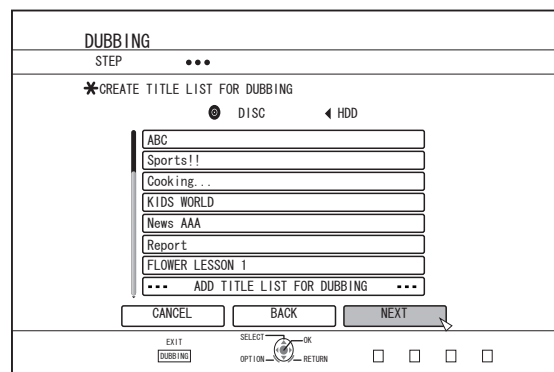
Note:
- "NEXT" cannot be selected for the following cases.
  - A title that cannot be dubbed has been selected
  - Disc memory is insufficient
  - A dubbing title list has not been created

Check "Troubleshooting" (☞ page 110) , and operate accordingly.

Memo:
- Steps 6 and 7 are not applicable for "BDAV" and "DVD-VR" disc formats. Go to step 8.

6 Select a background image for the disc menu
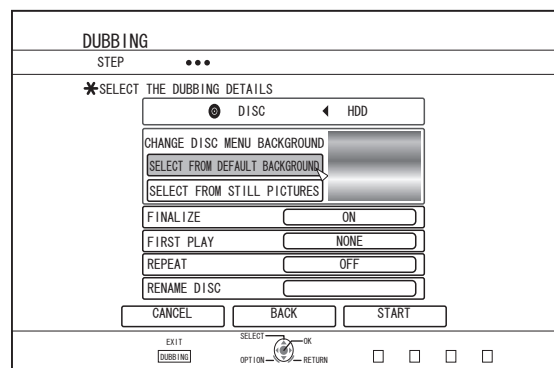
- Select a background image for the disc menu from "Background" or "Still Picture".
  - "SELECT FROM DEFAULT BACKGROUND"

    A default background set is used for the disc menu.

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Dubbing a Title from the HDD to a BD/DVD (Continued)

- "SELECT FROM STILL PICTURES"

  Use a still image on the HDD for the disc menu.
  The largest size allowed for a still image that is used as the background is 5120 x 3840.

Memo:
- The background image of the disc menu can be selected (only for DVD-Video and BDMV).
- The following sizes are recommended for still images.
  BD : 1920 x 1080
  DVD : 720 x 480 (for NTSC)
  　　　 720 x 576 (for PAL)
- When a still image is used, the two vertical or horizontal edges are trimmed based on the side that is smaller than the aspect ratio of the video to be dubbed.
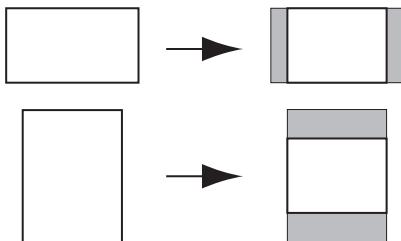
Example of Side-cut Still Image

7 Set the operations for finalize
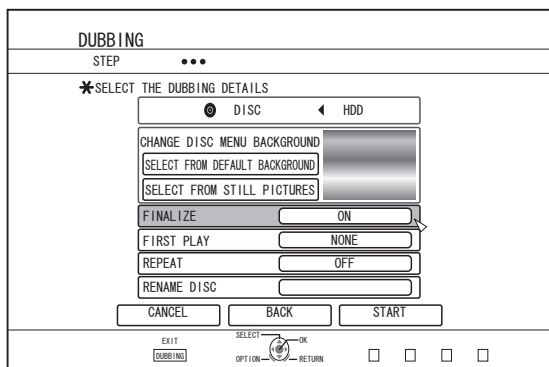
- Finalize will be performed after dubbing if "ON" has been set for "FINALIZE".
  If a BDMV disc is being dubbed, "OFF" cannot be set for "FINALIZE". And once the BDMV disc is dubbed the disc cannot be rewritten.
- If a DVD-Video or BDMV disc is being dubbed, the settings for "FIRST PLAY", "REPEAT" and "RENAME DISC" can be changed.
  ① **Select "FIRST PLAY", and select either "NONE", "TOP MENU" or "TITLE 1"**
    - "NONE"

    A finalized disc will not be automatically played back when it is inserted into another device.
    - "TOP MENU"

    The disc menu will be displayed automatically when a finalized disc is inserted into another device.

- "TITLE 1"

  The first title on a finalized disc will be played back automatically when it is inserted into another device.

Memo:
- "NONE" cannot be selected for "FIRST PLAY" for BDMV.

  ② **Select "REPEAT", and choose either "OFF" or "ON"**
    - "OFF"

    The disc will stop and the menu will be displayed after all the titles are played back.
    - "ON"

    Repeat playback from the first title will start automatically after all the titles are played back.

  ③ **Select "RENAME DISC", and press the [OK] button**
    - A screen for entering the disc name appears.
      Finalization is performed using the entered disc name.

8 Select "START", and press the [OK] button
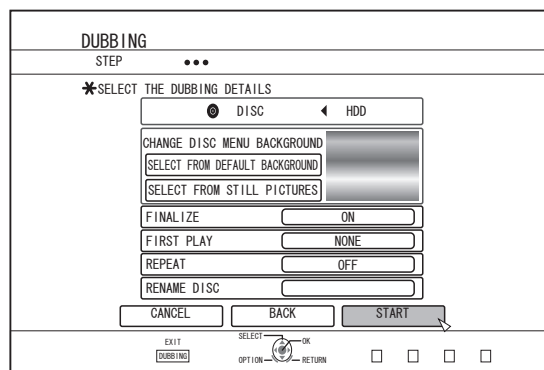
- Dubbing starts. A progress bar is displayed during the dubbing process.
- After dubbing is complete, a "DUBBING IS COMPLETED" message appears on the monitor.

Memo:
- Choose "BACK" from the menu and press the [OK] button to return to the previous screen.

■ **Cancel dubbing**

To cancel dubbing before it starts
- Select "CANCEL" from the menu, and press the [OK] button to cancel dubbing.
- Alternatively, you can press the [RETURN] button to cancel dubbing and return to the initial screen.

To discontinue dubbing while it is in progress
- Press the [OPTION] button. Select "CANCEL" from the Cancel Dubbing menu, and press the [OK] button. Data will be written onto the disc up to the point where import is cancelled.

Memo:
- When dubbing to a BD-R or DVD-R, the disc memory will be reduced as data will still be written onto the disc up to the point where dubbing is discontinued.

Dubbing Still Images from the HDD

Still images stored in the internal HDD can be dubbed to a BD-RE or an SD card as follows.

Memo:
- Only "JPEG" still image format is supported.

For details, refer to "Dubbing chart" (☞ page 27) .

■ Before dubbing

- Dubbing to a disc
  Set the BD-RE for dubbing on the disc tray
- Dubbing to an SD card
  Insert the SD card to be dubbed into the [SD SLOT]

■ Dubbing still images

1 Press the [DUBBING] button on the remote control unit

- The Dubbing menu screen appears.

2 On this screen, select "DISC/SD⇔PICTURE"
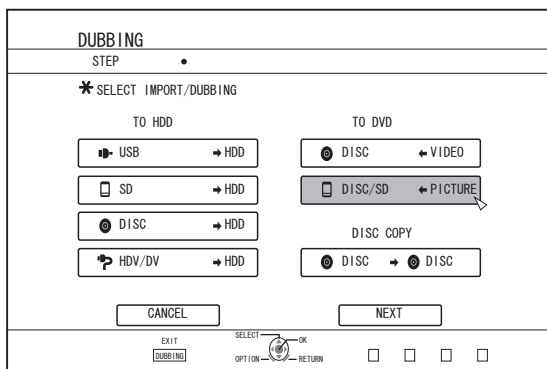
3 Select the media to dub to from the media selection screen

- A checkmark will be added to the selected media.
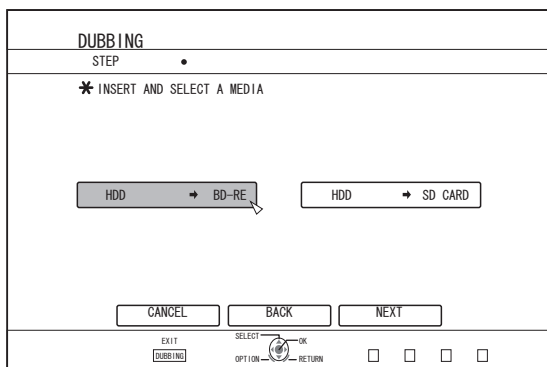
4 Select "NEXT", and press the [OK] button

Memo:
- A message appears on the monitor when dubbing cannot be performed in the following cases. When this occurs, replace the disc or SD card with one that is usable.
  - When an incompatible disc or SD card is set
  - When there is insufficient space on the set disc or SD card
  - When an unformatted disc or SD card is set

For details, refer to "Formatting a disc" (☞ page 28) or "Formatting an SD Card" (☞ page 30) .

5 Select the still images to dub, and press the [MARK] button
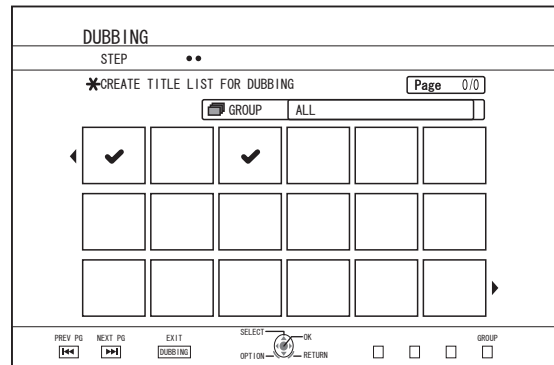
- Pressing the [MARK] button adds a check mark to the selected image.
  All still images with a check mark are dubbed.

Memo:
- To clear the check mark, select the corresponding still image, and press the [MARK] button.
- Pressing the [OPTION] button displays a pop-up menu. The pop-up menu enables you to perform the following operations.

BACK : Exits the pop-menu and returns to the initial screen.

SELECT ALL : Selects all still images within the same group.

DESELECT ALL : Clears the selection of all still images within the same group.

Note:
- A message appears if the selected still images do not fit into the disc. Check mark cannot be added to a still image if there is insufficient space on the disc.

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Dubbing Still Images from the HDD (Continued)

6 Select "START", and press the [OK] button
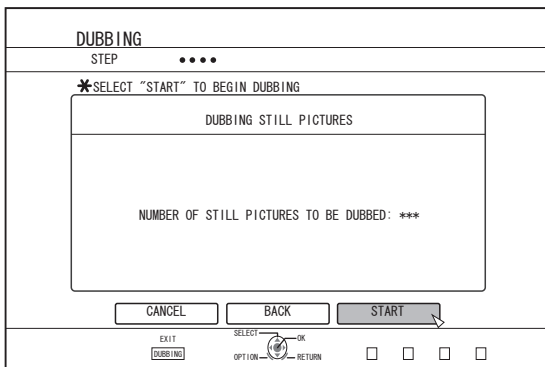
```
DUBBING
STEP          ● ● ● ●
✱ SELECT "START" TO BEGIN DUBBING

         DUBBING STILL PICTURES



    NUMBER OF STILL PICTURES TO BE DUBBED: ✱✱✱



        CANCEL       BACK        START

    EXIT      SELECT      OK
  DUBBING   OPTION      RETURN    □  □  □  □
```

- Dubbing starts. A progress bar is displayed during the dubbing process.
- After dubbing is complete, a "DUBBING IS COMPLETED" message appears on the monitor.

Memo:
- A directory of the following configuration is created in the media, and still images are written with file names ranging from "PIC_0001.jpg" to "PIC_9999.jpg".

```
root ── DCIM ── 100JVCS ── PIC_0001.JPG
                        ── PIC_0002.JPG
                        ── PIC_0003.JPG

                ── 101JVCS ── PIC_0001.JPG
                          ── PIC_0002.JPG
                          ── PIC_0003.JPG
```
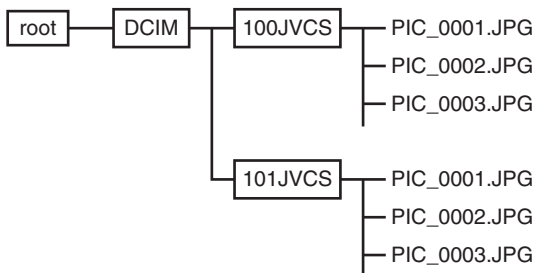
■ Dubbing from the Playback Navigation screen

Dubbing can also be performed from the Playback Navigation screen.

1 Select the still images to dub, and press the [OPTION] button

```
NAVIGATION  TITLE (THUMBNAIL)              HDD
  □ VIDEO   □ PICTURE              OPTIONS
                                   BACK
      ▦ GROUP    ALL               PLAY
                                   DELETE
  ◄                                DUB
                                   MODE CHANGE
                                   EDIT
                                   EDIT INFO
                                   OTHERS



 PREV PG  NEXT PG   EXIT   SELECT     OK   VIDEO PICTURE  GROUP
  |◄◄      ►►|    NAVIGATION OPTION  RETURN   □   □    □
```
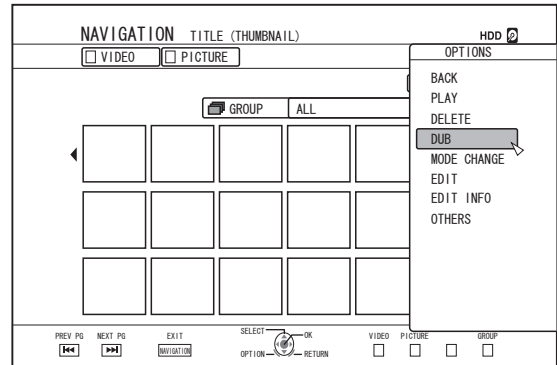
2 Select "DUB", and press the [OK] button

3 Follow steps 3 to 5 of "Dubbing still images"

Memo:
- Check marks of still images that appear on the Playback navigation screen will remain added to the image on the still image selection screen.

■ Cancel dubbing

To cancel dubbing before it starts
- Select "CANCEL" from the menu, and press the [OK] button to cancel dubbing.
- Alternatively, you can press the [RETURN] button to cancel dubbing and return to the initial screen.

To discontinue dubbing while it is in progress
- Press the [OPTION] button. Select "CANCEL" from the Cancel Dubbing menu, and press the [OK] button. Data will be written onto the disc up to the point where import is cancelled.

Enabling Playback on Other Devices (Finalizing)

DVD-R and DVD-RW discs may need to be finalized before they can be played on other DVD players.
BD-R discs need to be finalized before they can be played on other BD players.

Memo:
- Discs in the Video mode becomes a DVD-Video format with a title menu after finalizing.
- Discs containing DVD-Video data can be finalized by setting the disc operation settings according when the disc is inserted into this unit.
- Recording or editing of the disc will not be possible after it is finalized.
- If a DVD that was recorded using VR mode has been finalized, the disc can only be played back on VR mode compatible devices.

Finalizing

1 Set the BD or DVD to be finalized on the disc tray

2 Press the [MEDIA MANAGE] button on the remote control unit

- The Media Management menu screen appears.

```
              MEDIA MANAGEMENT
         ◎ BD/DVD
              FORMAT
              FINALIZE
              RENAME DISC
         ▯ SD CARD
              FORMAT
              BD-VIDEO DATA ERASE
         ▣ HDD
              FORMAT
```
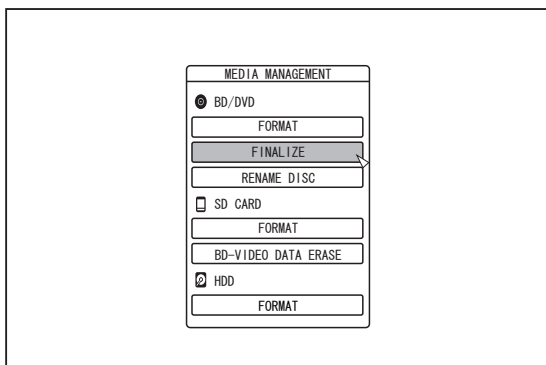
3 Select "FINALIZE" from "BD/DVD"

4 Select "YES" and press the [OK] button

- The top menu setting screen appears.

```
                    CONFIRM
        DISC WILL BE FINALIZED FOR PLAYBACK ON OTHER DVD DEVICES
        IT WILL TAKE ABOUT XX MINUTES
        YOU CANNOT STOP THE FINALIZATION ONCE IT STARTS
        DO YOU WANT TO FINALIZE?
              YES                    NO
```
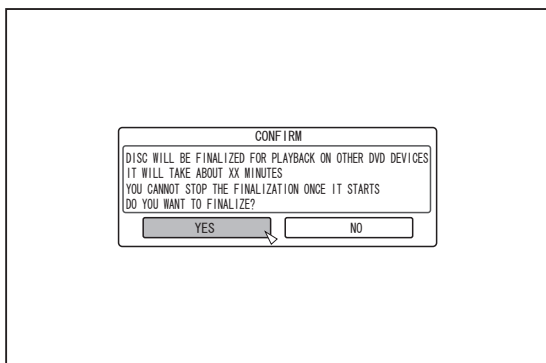
Memo:
- To cancel the finalizing operation, select "NO" and press the [OK] button.

5 Setting the top menu items

```
    FINALIZE                            DVD-RW Video ◎

        ✱THE DISC WILL BE FINALIZED TO ENABLE PLAYBACK ON OTHER DVD DEVICES
                   ◎   DVD-RW Video

            CHANGE DISC MENU BACKGROUND
            SELECT FROM DEFAULT BACKGROUND
            SELECT FROM STILL PICTURES

            FIRST PLAY          TOP MENU
            REPEAT                OFF

              FINALIZE          DO NOT FINALIZE

              EXIT      SELECT ──── OK
            MEDIA MANAGE   OPTION ──── RETURN    ▯  ▯  ▯  ▯
```
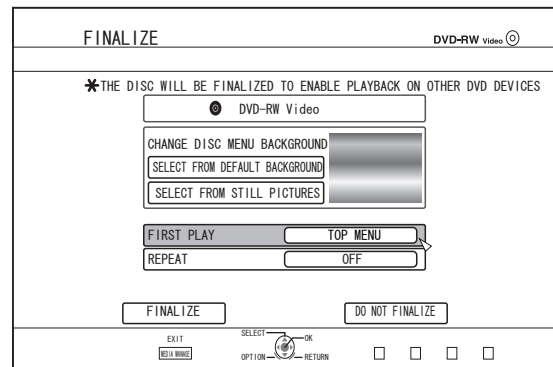
- Before finalizing, set "FIRST PLAY", "REPEAT", and "CHANGE DISC MENU BACKGROUND" accordingly.
  Set according to the steps below.

  ① **Select "FIRST PLAY", and select an appropriate first play setting item**
  - This item is used for setting the disc operation when a finalized disc is inserted into another device.

  NONE : A finalized disc will not be automatically played back when it is inserted into another device.

  TOP MENU : The disc menu will be displayed automatically when a finalized disc is inserted into another device.

  TITLE 1 : The first title on a finalized disc will be played back automatically when it is inserted into another device.

  ② **Select "REPEAT", and select an appropriate repeat setting item**
  - Set the disc action to be taken after all titles have been played back.

  OFF : The disc will stop and the menu will be displayed after all the titles are played back.

  ON : Repeat playback from the first title will start automatically after all the titles are played back.

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Enabling Playback on Other Devices (Finalizing) (Continued)

③ **Select "CHANGE DISC MENU BACKGROUND" to select a background image for the top menu**

• You can register and use a background image of your preference.

```
FINALIZE                                    DVD-RW Video ◎

✱ SELECT A TITLE AS BACKGROUND DESIGN FOR THE MENU SCREEN   Page   0/0
                    🗀 GROUP  │ ALL

◄  ┌─────┐ ┌─────┐ ┌─────┐ ┌─────┐ ┌─────┐
   │     │ │     │ │     │ │     │ │     │
   └─────┘ └─────┘ └─────┘ └─────┘ └─────┘
   ┌─────┐ ┌─────┐ ┌─────┐ ┌─────┐ ┌─────┐
   │     │ │     │ │     │ │     │ │     │
   └─────┘ └─────┘ └─────┘ └─────┘ └─────┘
   ┌─────┐ ┌─────┐ ┌─────┐ ┌─────┐ ┌─────┐
   │     │ │     │ │     │ │     │ │     │  ►
   └─────┘ └─────┘ └─────┘ └─────┘ └─────┘

        EXIT          SELECT    OK
      MEDIA MANAGER   OPTION    RETURN   □  □  □  □
```
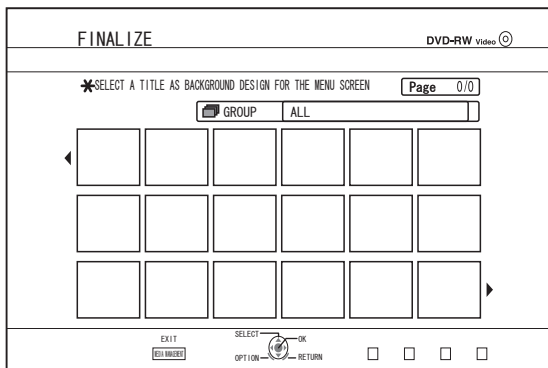
Memo:
• The items in "FIRST PLAY", "REPEAT" and "CHANGE DISC MENU BACKGROUND" can also be set in "Dubbing a Title from the HDD to a BD/DVD" (☞ page 44) .

6 Select "FINALIZE", and press the [OK] button

```
FINALIZE                                    DVD-RW Video ◎

✱ THE DISC WILL BE FINALIZED TO ENABLE PLAYBACK ON OTHER DVD DEVICES
              ◎  DVD-RW Video

  ┌────────────────────────────┐
  │ CHANGE DISC MENU BACKGROUND │
  │ SELECT FROM DEFAULT BACKGROUND │
  │ SELECT FROM STILL PICTURES  │
  └────────────────────────────┘

  FIRST PLAY            │  TOP MENU
  REPEAT                │    OFF

  ┌──────────┐           ┌──────────────┐
  │ FINALIZE │           │ DO NOT FINALIZE │
  └──────────┘           └──────────────┘

        EXIT          SELECT    OK
      MEDIA MANAGE    OPTION    RETURN   □  □  □  □
```
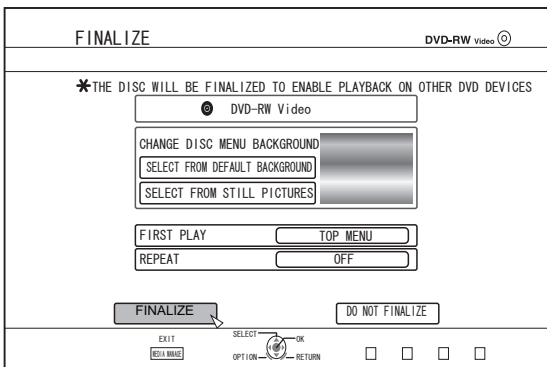
• Finalizing starts.
• After finalization is complete, a "THE DISC HAS BEEN FINALIZED" message appears on the monitor.

```
        ┌──────────────────────────┐
        │         CONFIRM          │
        │ THE DISC HAS BEEN FINALIZED │
        │                          │
        │          ┌────┐          │
        │          │ OK │          │
        │          └────┘          │
        └──────────────────────────┘
```
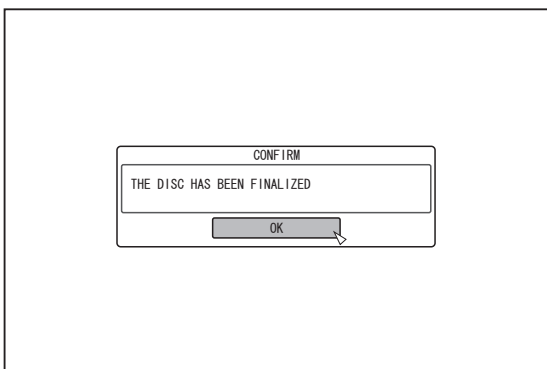
Unfinalizing a disc

Only DVD-RW discs that are finalized on this unit can be unfinalized.
After a disc is unfinalized, addition of new titles and editing are possible.

Note:
• All discs except DVD-RW (VR mode) cannot be unfinalized.

■ To unfinalize a disc

1 Set a DVD-RW disc that is finalized by this unit on the disc tray

2 Press the [MEDIA MANAGE] button on the remote control unit

• The Media Management menu screen appears.

```
        ┌──────────────────────────┐
        │                          │
        │      MEDIA MANAGEMENT     │
        │  ◎ BD/DVD                 │
        │  ┌────────────────────┐   │
        │  │       FORMAT        │   │
        │  └────────────────────┘   │
        │  ┌────────────────────┐   │
        │  │      FINALIZE       │ ► │
        │  └────────────────────┘   │
        │  ┌────────────────────┐   │
        │  │    RENAME DISC      │   │
        │  └────────────────────┘   │
        │  ☐ SD CARD                │
        │  ┌────────────────────┐   │
        │  │       FORMAT        │   │
        │  └────────────────────┘   │
        │  ┌────────────────────┐   │
        │  │ BD-VIDEO DATA ERASE │   │
        │  └────────────────────┘   │
        │  ⊘ HDD                    │
        │  ┌────────────────────┐   │
        │  │       FORMAT        │   │
        │  └────────────────────┘   │
        │                          │
        └──────────────────────────┘
```

3 Select "FINALIZE" from "BD/DVD"

4 Select "YES" and press the [OK] button

```
   ┌──────────────────────────────────────┐
   │                                      │
   │               CONFIRM                │
   │ ┌──────────────────────────────────┐ │
   │ │ THE DISC WILL BE UNFINALIZE       │ │
   │ │ IT TAKES ABOUT XXX MINUTES        │ │
   │ │ YOU CANNOT STOP THE PROCESS ONCE IT STARTED │
   │ │ DO YOU WANT TO UNFINALIZE?        │ │
   │ │   ┌──────┐        ┌──────┐       │ │
   │ │   │ YES  │        │  NO  │       │ │
   │ │   └──────┘        └──────┘       │ │
   │ └──────────────────────────────────┘ │
   │                                      │
   └──────────────────────────────────────┘
```
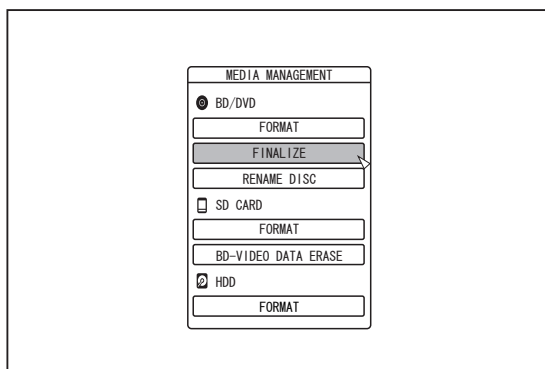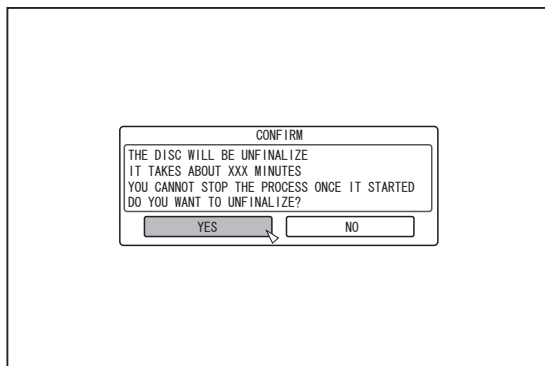
• Unfinalizing starts.
• After unfinalizing is complete, a "THE DISC HAS BEEN UNFINALIZED" message appears on the monitor.

Copying the Entire Disc

Copying the entire disc allows all contents on a BD (BDAV, BDMV) or DVD (AVCHD, DVD-Video, DVD-VR) to be copied onto another disc.

Note:
- Contents on a DVD-VR that is not finalized cannot be copied to other discs.
- Content cannot be copied to a formatted BD-R or DVD-R disc. Make use of an unformatted disc.
- To copy to a BD disc, use BD-R or BD-RE discs. To copy to a DVD, use DVD-R/-RW discs.
- The disc to be copied onto will be formatted when copy is performed. Check that the disc has not been used before or if it is ok to delete data on the disc when using a BD-RE or a DVD-RW.
- In the case of BD, volume labels are not copied.
- If an unsupported disc is set, "UNABLE TO IMPORT FROM DISC" or "UNABLE TO DUB ONTO DISC INSERT ANOTHER DISC" will be displayed on the monitor. Use a disc that is supported by this unit.
- For details on discs that are supported by this unit, refer to "Discs that enable both dubbing and playback" (☞ page 13) and "Discs that enable playback only" (☞ page 13) .

1 **Press the [DUBBING] button on the remote control unit**
- The Dubbing screen appears.
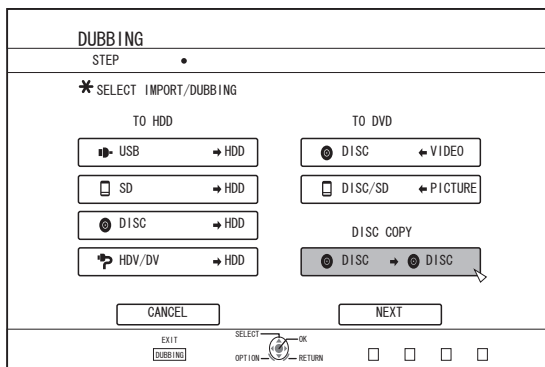
2 **Select "DISC⇨DISC", and press the [OK] button**
- A menu screen for copying the entire disc appears.

Memo:
- During copy of the entire disc, data is temporarily copied to the internal HDD.
- Only discs that are not copyright-protected can be copied.

3 **Set the number of discs to copy using the [▲ / ▼] buttons**
- You can specify up to a maximum of 10 discs.
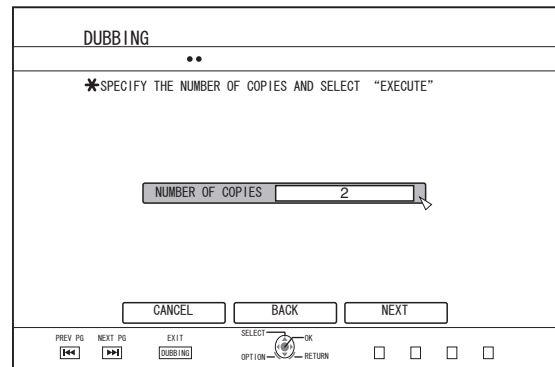
4 **Select "NEXT", and press the [OK] button**
- The disc tray will open automatically.

5 **Set the source BD or DVD on the disc tray**

6 **Select "START", and press the [OK] button**
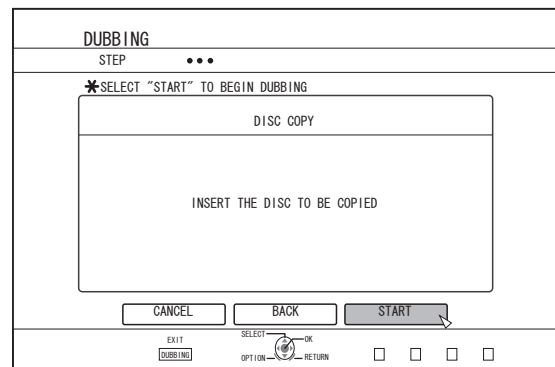
- The disc tray will close automatically. The source BD or DVD will be recognized, and copying to the internal HDD will proceed.
- The disc tray will open automatically after copying has finished and "READY TO COPY NOW. INSERT THE DISC FOR COPYING" will be displayed on the monitor.

Memo:
- Confirm the insufficient space on the internal HDD when the copy interrupts.

7 **Set a BD or DVD to copy on the disc tray**

Copying the Entire Disc (Continued)

8 Select "START", and press the [OK] button

```
        DUBBING
          STEP      • • •
       ✷SELECT "START" TO BEGIN DUBBING
       ┌─────────────────────────────────┐
       │            DISC COPY            │
       │                                 │
       │                                 │
       │  READY TO COPY NOW. INSERT THE DISC FOR COPYING │
       │                                 │
       │                                 │
       └─────────────────────────────────┘
          ┌──────────┐ ┌──────────┐ ┌──────────┐
          │  CANCEL  │ │   BACK   │ │  START   │
          └──────────┘ └──────────┘ └──────────┘
             EXIT        SELECT ── OK
            DUBBING     OPTION ── RETURN    □  □  □  □
```
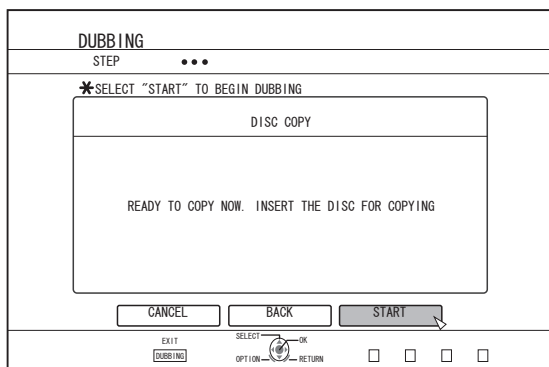
- The disc tray will close automatically. BD or DVD will be recognized, and the contents that were copied to the HDD will be copied to the disc.

Memo:
- The copy operation will not be performed when the remaining disc memory is not sufficient.

9 Complete the entire disc copying

- After copy is complete the tray will open automatically, and copy of the entire disc ends.

```
       ┌─────────────────────────────────────┐
       │                                     │
       │                                     │
       │                                     │
       │                                     │
       │       ┌────────────────────┐        │
       │       │      CONFIRM       │        │
       │  ┌────┴────────────────────┴────┐   │
       │  │ COPYING ONTO THE XXX DISC IS COMPLETED │
       │  └───────────┬──────────┬──────┘   │
       │              │    OK    │           │
       │              └──────────┘           │
       │                                     │
       │                                     │
       └─────────────────────────────────────┘
```
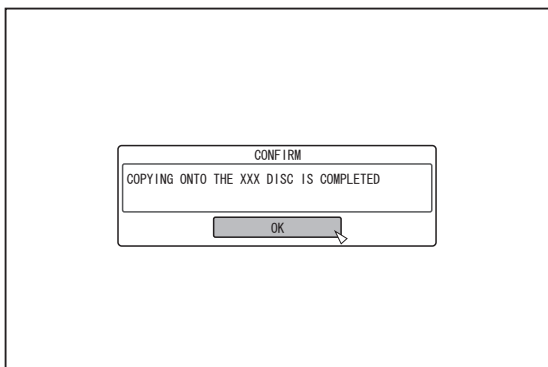
Memo:
- The screen prompting you to insert a new disc appears repeatedly until this unit has finished copying the number of discs specified in Step 3. When the message appears, set a new BD or DVD on the disc tray, select "START", and press the [OK] button.

```
        DUBBING
          STEP      • • •
       ✷SELECT "START" TO BEGIN DUBBING
       ┌─────────────────────────────────┐
       │            DISC COPY            │
       │                                 │
       │  COPYING ONTO THE 1ST DISC IS COMPLETED │
       │          INSERT A NEW DISC      │
       │                                 │
       │                                 │
       │                                 │
       └─────────────────────────────────┘
          ┌──────────┐ ┌──────────┐ ┌──────────┐
          │  CANCEL  │ │   BACK   │ │  START   │
          └──────────┘ └──────────┘ └──────────┘
             EXIT        SELECT ── OK
            DUBBING     OPTION ── RETURN    □  □  □  □
```
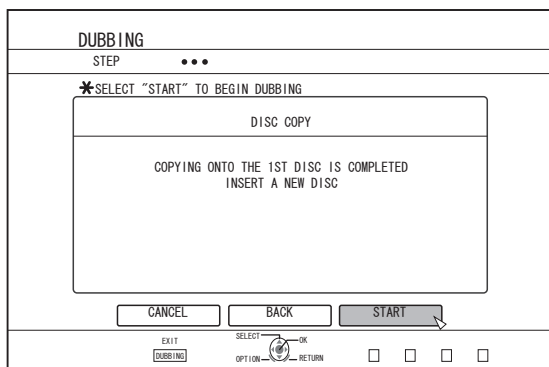
- After copy is complete, the data copied onto the HDD will be deleted.
- Select "CANCEL" from the menu, and press the [OK] button to cancel disc copying.

```
        DUBBING
          STEP      • • •
       ✷SELECT "START" TO BEGIN DUBBING
       ┌─────────────────────────────────┐
       │            DISC COPY            │
       │      ┌────────────────────┐     │
       │      │      CONFIRM       │     │
       │  DO YOU WANT TO CANCEL DUBBING? │
       │   ┌──────────┐   ┌──────────┐   │
       │   │   YES    │   │    NO    │   │
       │   └──────────┘   └──────────┘   │
       │                                 │
       └─────────────────────────────────┘
          ┌──────────┐ ┌──────────┐ ┌──────────┐
          │  CANCEL  │ │   BACK   │ │  START   │
          └──────────┘ └──────────┘ └──────────┘
             EXIT        SELECT ── OK
            DUBBING     OPTION ── RETURN    □  □  □  □
```
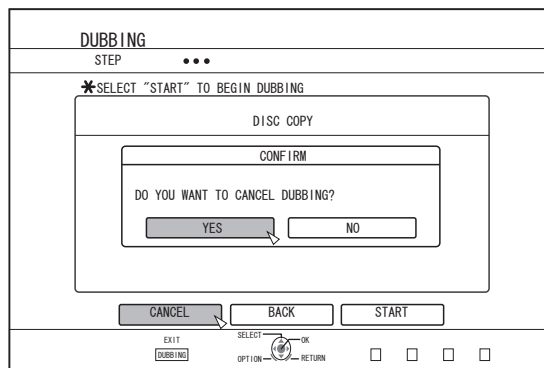
Direct recording to discs

The video from the external device can be recorded to the optical disc directly.

1 **Press the [BD/SD] button on either this unit or the remote control to specify the "BD" as a recording medium**

2 **Press the [⏏] button on either this unit or the remote control to set a DISC on the disc tray**

3 **Format a DISC**

* For details on formatting, refer to "Formatting" (☞ page 28) .

4 **Press the [INPUT SELECT] button either on this unit or the remote control to start the video to be recorded**

5 **Press the [●] and [▶] buttons either on this unit or on the remote control together to start recording**

Memo:
* Supported discs are BD-R/RE and DVD-R/RW.

* Format the BD-R/RE disc to the BDAV or BDMV format.

* Menu cannot be created when recording directly to a BDMV format disc.

* Format the DVD-R/RW disc to the VR or Video format.

Pausing recording

You can pause the process while recording videos to the HDD or a BD/DVD.

1 **Select the location to record videos to**

2 **Press the [⏸] button on this unit or the remote control**

Memo:
* Titles for which recording is in progress will not be divided when recording is paused.

Resuming Recording

1 **While recording is paused, press the [⏸] button on this unit or the remote control**

Memo:
* You can also resume recording by pressing the [●] button on the unit.

* You can also resume recording by pressing the [▶] button while holding down the [●] button on the remote control.

* A chapter is automatically created when recording resumes.

Recording Using External Inputs

Videos on an external device that is connected to i.LINK (HDV/DV) or video/S-video input can be recorded to the HDD. BD, DVD can be recorded from the [VIDEO]/[S-VIDEO] or SDI input.

Memo:
* Only titles that are not copyright-protected can be imported.

1 **Press the [HDD] or [BD/SD] button to select the location to record the file**

2 **Press the [INPUT SELECT] button on the remote control, and select an external input (HDV/DV or L-1)**

3 **Press the [REC MODE] button and select a recording mode**

4 **Press the [●] and [▶] remote control buttons together to start the recording process**

* Recording can also be start by pressing the [●] button on this unit.

5 **Operate the external device to output the videos to be recorded to the i.LINK (HDV/DV) or the video/S-video input.**

6 **Press the [■] button on either this unit or the remote control to display the pop-up screen, choose "STOP" and press the [OK] button**

* End the recording.

Memo:
* When recording images via a video camera using i.LINK connection, recording may stopped if the video camera is loaded with a DV tape while in the shooting mode. In this case, remove the DV tape before recording.

* Recording will be stopped if the maximum recording time has been reached, or if there is insufficient memory in the media.

* It takes a little moment to start recording after the button is pressed.

For the recording modes and maximum recording time for each disc, refer to "Maximum recording time for each recording mode" (☞ page 31) .

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Recording Using External Inputs (Continued)

■ **RECORDABLE MEDIA**

RECORDING MODE	RECORDABLE MEDIA			
	HDD	DVD-R/RW (VR Format/Video Format)	BD-R/RE (BDAV format)	BD-R/RE (BDMV Format)
DR	HDV	-	HDV	-
AF (HD)	HDV	-	HDV	HDV
AN (HD)	HDV	-	HDV	HDV
AL (HD)	HDV	-	HDV	HDV
AE (HD)	HDV	-	HDV	HDV
XP (SD)	DV/L-1	DV/L-1	L-1	-
SP (SD)	DV/L-1	DV/L-1	L-1	-
LP (SD)	DV/L-1	DV/L-1	L-1	-
EP (SD)	DV/L-1	DV/L-1	L-1	-

About Playing Back

Videos or edited videos stored on the internal HDD, as well as videos stored on a disc or SD card can be played back on this unit.

The types of media that are playable on this unit are as follows.

- Videos and still images stored on the internal HDD
- Videos stored on different disc types
- Videos and still images stored on backup discs created using the "Everio Writer"
- Videos and still images stored on SD cards

These videos can be easily played back for viewing using the "Playback Navigation" software that comes with this unit. For details on the "Playback Navigation" software, refer to "Using Playback Navigation" (☞ page 55) .

Memo:
- This unit does not support DivX videos.
- If AVCHD files are displayed in thumbnails, black bars may appear on the left and right borders depending on the video resolution.
- To display MOV*/MXF* files stored on an SD card using Playback Navigation, make use of list display. Thumbnail display is not supported. Files on the SD card cannot be played back directly. To do so, import them into a HDD.
- For details on importing MOV*/MXF* files from an SD card, refer to "Importing Data from an SD Card to the HDD" (☞ page 39) .

MOV* : MOV format files recorded in the SP mode and HQ mode using the JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM series

MXF* : MXF format files recorded in the SP mode and HQ mode using JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM650

Display Marks on the Playback Navigation Screen

Icon	Mark name	Explanation
	Protect Mark	Indicates protected titles.
	Mode Conversion Preset Mark	Indicates titles for which mode conversion has been preset.
NEW	Not Viewed Mark	Indicates titles that have not been viewed or groups containing titles that have not been viewed.
	Scene Delete Mark	Indicates titles for which scene delete or chapter delete has been applied.
	Group Mark	Indicates a group.
	Playlist Mark	Indicates a playlist.
	Not Playable Mark	Indicates titles that cannot be played.
	Question Mark	Indicates titles of which the thumbnails cannot be displayed. Playback may not be possible.

Using Playback Navigation

Videos can be easily played back for viewing using the "Playback Navigation" function available on this unit.

Displaying the Playback Navigation screen

1 **Select the location of the playback file**
- Press the [HDD] button on the remote control unit
  Play back videos or still images stored on the HDD.
- Press the [BD/SD] button on the remote control unit.
  Play back videos or still images stored on a BD/DVD or a SD.

2 **Press the [NAVIGATION] button on the remote control unit**
- The Playback Navigation screen appears.

Memo:
- Pressing the [BD/SD] button each time switches the media to play back between BD/DVD and SD.
- You can also switch the media to play back by pressing the [HDD] or [BD/SD] button when the Playback Navigation screen is displayed.
- The recording mode and recording time of the selected video title is displayed at the top right corner of the screen.

Operating Playback Navigation

■ Playing a video/still image

Plays the selected video/still image.
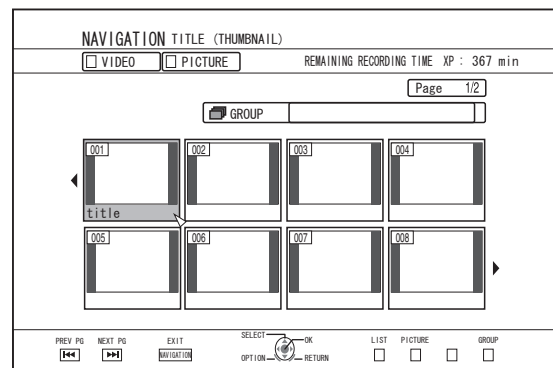
- Select a title to play back, followed by pressing the [OK] or [▶] button to play the selected video/still image.

Memo:
- Select a group and press the [OK] button to display all titles in the group.

Using Playback Navigation (Continued)

■ Switching between thumbnail and list displays

You can switch between the thumbnail display and list display of a video.

• When the video thumbnail list screen is displayed
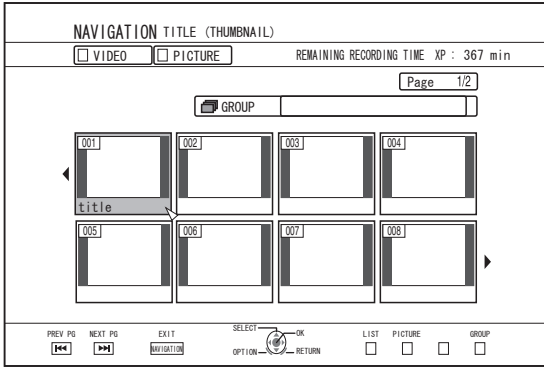
Press the [RED] button to display the title list screen.

• When the title list screen is displayed
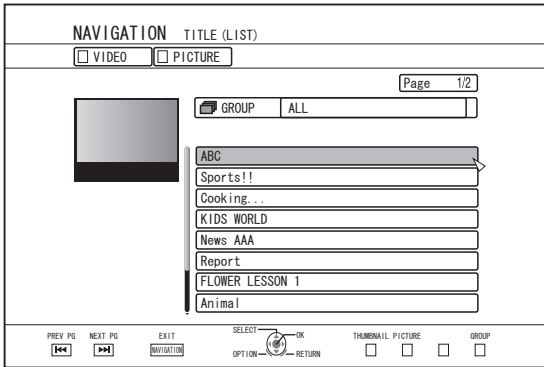
Press the [RED] button to display the video thumbnail list screen.

■ Displaying a group/folder

A group/folder screen can be displayed.
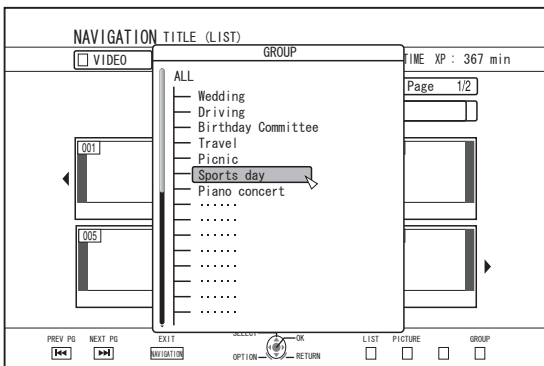
Press the [YELLOW] button to display the group/folder screen.

■ Switching between video and still image displays

You can switch the display between the video thumbnail list screen and still image thumbnail screen.

• When the video thumbnail list screen is displayed
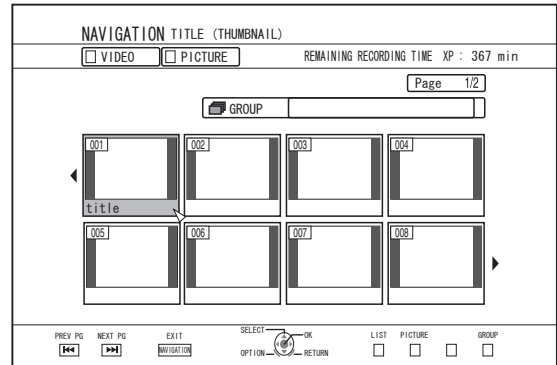
Press the [GREEN] button to display the still image thumbnail list screen.

• When the still image thumbnail list screen is displayed
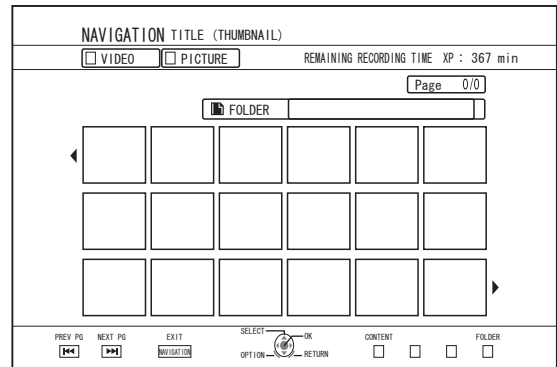
Press the [RED] button to display the video thumbnail list screen.

■ Displaying the Option menu

Displaying the Option menu enables you to perform different operations on a selected title/group, including "BACK", "PLAY", "DELETE", "DUB", "GROUP", "UNGROUP", "DO NOT GROUP", "MODE CHANGE", "EDIT", "EDIT INFO" and "OTHERS".

1 **Select a title/group, and press the [OPTION] button**

• An Option menu appears.
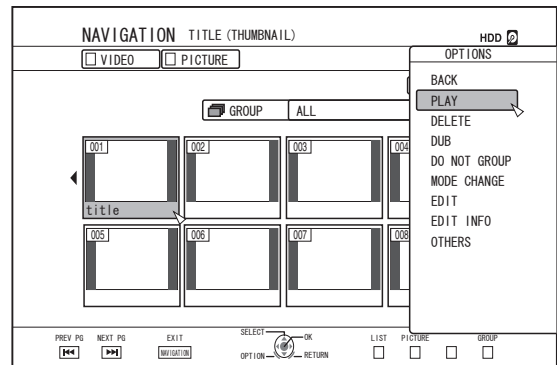
2 **Select an operation option, and press the [OK] button**

- Options that cannot be operated are displayed in gray and cannot be selected.

For details on the Option menu items, refer to "Option menu list" (☞ page 57) .

Option menu list

- BACK

  Returns to the previous screen.
- PLAY

  Plays back the selected title/group.
  For details on the button operations during playback, refer to "Video Playback Operation" (☞ page 58) .
- DELETE

  Deletes a selected title/group.
  For details, refer to "Deleting a Title/Group" (☞ page 70) .
- DUB

  Performs dubbing of a selected title/group.
  For details, refer to "Dubbing/Importing" (☞ page 26) .
- GROUP

  Groups the selected titles/groups.
  For details, refer to "Grouping" (☞ page 68) .
- UNGROUP

  Ungroups a selected group.
  For details, refer to "Ungrouping" (☞ page 68) .
- DO NOT GROUP

  Removes the selected titles from a group.
  For details, refer to "Excluding from a group" (☞ page 69) .
- MODE CHANGE

  Changes the mode of the selected title/group.
  For details, refer to "Mode conversion" (☞ page 81) .
- CHAPTER LIST

  Displays the chapters of a selected title.
- EDIT

  Switches to the menu screen of the sub-items.
  - CHAPTER EDIT

    Switches to the chapter edit screen of the selected title.
    For details, refer to "Editing a Chapter" (☞ page 75) .
  - PLAYLIST EDIT

    Switches to the playlist edit screen of the selected title.
    For details, refer to "Creating a Playlist" (☞ page 73) .
  - DELETE SCENE

    Switches to the delete scene screen of the selected title.
    For details, refer to "Delete Scenes" (☞ page 78) .
  - DIVIDE

    Switches to the dividing screen of the selected title.
    For details, refer to "Dividing" (☞ page 77) .

- EDIT INFO

  Switches to the menu screen of the sub-items.
  - MODIFY TITLE NAME/MODIFY GROUP NAME

    Switches to the rename screen for the selected title/group name.
    For details, refer to "Changing the Title/Group Name" (☞ page 70) .
  - MODIFY THUMBNAIL

    Switches to the thumbnail modification screen of the selected title.
    For details, refer to "Editing a Thumbnail" (☞ page 74) .
  - CHANGE SHOOTING DATE/TIME

    Switches to the recording date modification screen of the selected title.
    For details, refer to "Changing the Shooting Date/Time" (☞ page 80) .
  - PROTECT

    Switches to the protection screen of the selected title/group.
    For details, refer to "Turning On Title/Group Protection" (☞ page 71) .
  - UNPROTECT

    Switches to the screen for turning off protection of the selected title/group.
    For details, refer to "Turning Off Title/Group Protection" (☞ page 72) .
- OTHERS

  Switches to the menu screen of the other-items.
  - CHAPTER LIST
  - DETAILS
  - THUMBNAIL
  - LIST
  - VIDEO
  - PICTURE
  - GROUP
  - FOLDER SELECT
  - CONTENT

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Video Playback Operation
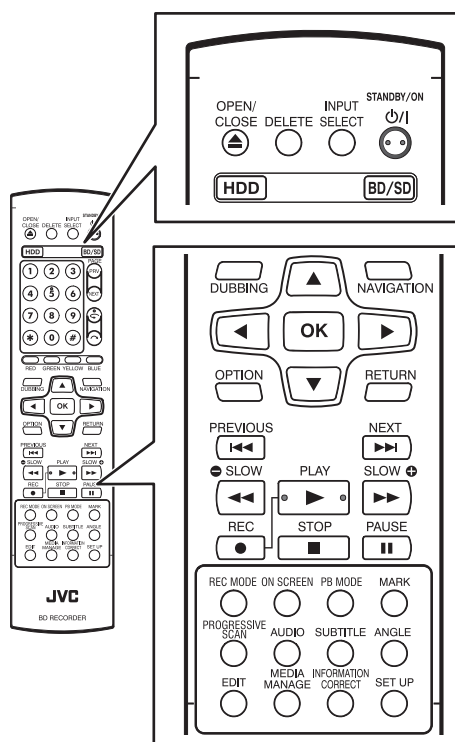
Frequently used button operations

■ [▶] button

- If the stop position (resume point) is memorized in the selected video, pressing the button plays back the video from this position.
  The video may not resume playback depending on the media and settings used. For details, refer to "RESUME" (☞ page 85) .

- If playback is paused (Still mode), pressing the button resumes playback.

■ [■] button

- Pressing the button stops playback after memorizing the stop position (resume point).

- Pressing the button again after playback stops clears the memory of the stop position (resume point).

■ [▌▌] button

- Pressing the button stops playback temporarily.

■ [▶▶] button

- Pressing the button once during playback switches to a playback speed of 1.3 times (with audio sound).

- Pressing the button in the 1.3x playback or fast forward mode fast forwards the video.
  Pressing the button each time switches the search speed.
  (5x⇨10x⇨30x⇨60x)

Memo:
- The listed speed for searching and slow motion is an approximate amount.

- Pressing the button in the Still mode forwards the video frame by frame.

- Pressing and holding down the button in the Still mode starts playback in slow motion.
  Pressing the button during playback in slow motion switches the playback speed. The speed changes each time the button is pressed.
  (1/24x⇨1/16x⇨1/8x⇨1/2x)

■ [◀◀] button

- During normal playback, 1.3x playback, fast forward, or fast reverse, pressing the button fast reverses playback.
  Pressing the button each time switches the search speed.
  (1x⇨5x⇨10x⇨30x)

- Pressing the button in the Still mode reverses the video frame by frame.

- Pressing and holding down the button in the Still mode starts reverse playback of the video in slow motion.
  Pressing the button during playback in slow motion switches the playback speed. The speed changes each time the button is pressed.
  (1/24x⇨1/16x⇨1/8x⇨1/2x)

Memo:
- The listed speed for searching and slow motion is an approximate amount.

■ [▶▶▌] / [▌◀◀] button

- Pressing any of the buttons moves the chapter position.

■ [MARK] button

- Pressing the button enables you to add a chapter mark to a title.

■ [⌒] button

- During normal playback, 1.3x playback, slow motion playback, fast forward, or fast reverse, pressing the button moves the playback position forward by about 30 seconds. Pressing the button multiple times moves playback to the position equivalent to the number of times pressed multiplied by 30 seconds.
- Normal playback will resume after the position has been moved. If pressed during 1.3x playback, 1.3x playback will continue after the position has been moved.
  Contents may be played back in the normal mode depending on the type of disc or content.
- Pressing the button in the Still mode moves the current paused position forward by about 30 seconds while maintaining the Still mode.

■ [↺] button

- During normal playback, 1.3x playback, slow motion playback, fast forward, or fast reverse, pressing the button moves the playback position back by about seven seconds. Pressing the button multiple times moves playback to the position equivalent to the number of times pressed multiplied by seven seconds.
- Normal playback will resume after the position has been moved. If pressed during 1.3x playback, 1.3x playback will continue after the position has been moved.
  Contents may be played back in the normal mode depending on the type of disc or content.
- Pressing the button in the Still mode moves the current paused position back by about seven seconds while maintaining the Still mode.

■ [HDD] button

- During playback of videos on a "BD/DVD" or "SD", pressing the button stops the current playback and switches to the "HDD" mode.
  Pressing the button during display of the Playback Navigation screen switches to the Playback Navigation screen for the "HDD" mode.

■ [BD/SD] button

- During playback of videos on a "BD/DVD" or "SD", pressing the button stops the current playback and switches from "BD/DVD" to "SD" or vice versa.
  Pressing the button during display of the Playback Navigation screen switches to the Playback Navigation screen for the other media. During playback of videos on the "HDD", pressing the button stops the current playback and switches to "BD/DVD" mode.

Memo:
- The display switches automatically to the SD mode only if the inserted SD card contains playable videos or still images.

Useful button operations

■ [PB MODE] button

- Displays the Playback Settings screen, which enables you to modify the settings.
  For details, refer to "Changing Playback Settings".

■ [AUDIO] button

- Switches the audio channel.

■ [SUB TITLE] button

- Switches the subtitle display.

■ [ANGLE] button

- Switches the angle.

Memo:
- Pressing the [AUDIO], [SUB TITLE], or [ANGLE] button has no effect if their selection is not available in the playback video.

Playing Videos on a BD/DVD

Playback starts automatically after a BD/DVD is set.
If the Auto Play feature is disabled, play the title using Playback Navigation.

Memo:
- For details on the button operations during playback, refer to "Video Playback Operation" (☞ page 58) .

Playing a disc when Auto Play is enabled

1 **Set a BD or DVD on the disc tray**
- Auto Play starts.

Playing a disc when Auto Play is disabled

1 **Set a BD or DVD on the disc tray**

2 **Press the [NAVIGATION] button**
- The Playback Navigation screen appears.

3 **Select a title, and press the [OK] button**
- Playback of the selected title starts.

Memo:
- If the current playback location is "HDD" or "SD", press the [BD/SD] button on the remote control unit to switch it to "BD/DVD".
- Videos can also be played back without starting up Playback Navigation.
  Pressing the [▶] button starts playback from the stop position (resume point) of the disc.
  If the stop position (resume point) is not memorized or if the setting for "RESUME" has been set to "OFF", playback starts from the beginning of the disc.

Playing an EverioBackup Disc*

EverioBackup disc* : Data disc containing high-definition videos that are recorded in the MPEG2 format using a DVD writer for Everio.

1 **Set the disc on the disc tray**

2 **Press the [NAVIGATION] button**
- The Playback Navigation screen appears.

3 **Select a title, and press the [OK] button**
- Playback of the selected title starts.

Memo:
- If the current playback location is "HDD" or "SD", press the [BD/SD] button on the remote control unit to switch it to "BD/DVD".
- Videos can also be played back without starting up Playback Navigation.
  Pressing the [▶] button plays back titles starting from that with the oldest recording date.

Playing Video Discs Created Using a PC

Videos that are created using a PC can be played back using Playback Navigation.

1 **Set the disc on the disc tray**

2 **Press the [NAVIGATION] button**
- The Playback Navigation screen appears.

3 **Select a title, and press the [OK] button**
- Playback of the selected title starts.

Memo:
- The formats that can be played back are BDAV, BDMV, DVD-Video and DVD-VR (CPRM-compatible).
- If the current playback location is "HDD" or "SD", press the [BD/SD] button on the remote control unit to switch it to "BD/DVD".
- Videos can also be played back without starting up Playback Navigation.
  Pressing the [▶] button starts playback from the stop position (resume point) of the disc.
  If the stop position (resume point) is not memorized or if the setting for "RESUME" has been set to "OFF", playback starts from the beginning of the disc.
- Playback may not be possible due to compatibility problems.

Playing Videos on the HDD

Titles stored on the HDD can be played back using Playback Navigation.
You can select a video to play from "Title", "Group", or "Playlist".

Memo:
- For details on the button operations during playback, refer to "Video Playback Operation" (☞ page 58) .

Playing titles stored on the HDD

1 Press the [NAVIGATION] button
- The Playback Navigation screen appears.

2 Select the titles to playback, and press the [▶] button
- Playback of the selected title starts.

Memo:
- If the current playback location is "BD/DVD" or "SD CARD", press the [HDD] button on the remote control unit to switch it to "HDD".
- To play back specific titles within a group, select the group, press the [OK] button, and select the titles accordingly.
- Videos can also be played back without starting up Playback Navigation.
  Pressing the [▶] button starts playback of the most recently played title.
  If there are no recently played titles, playback starts from the title with the most recent recording date.

Playing Videos on a SD Card

Titles stored on an SD card can be played back using Playback Navigation.
You can select a video to play from "Title".

1 Insert the SD card into the [SD SLOT]
- Switch the playback location to "SD CARD" after the SD card is detected by the unit.

2 Press the [NAVIGATION] button
- The Playback Navigation screen appears.
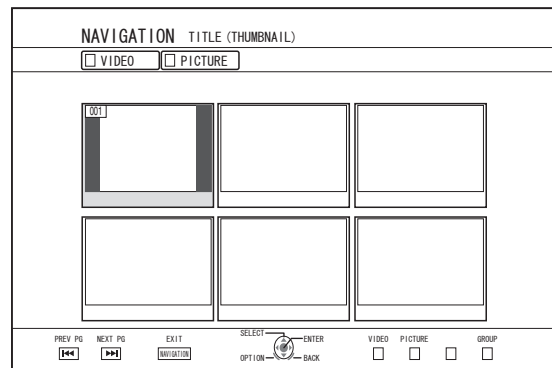
3 Select a title, and press the [OK] button
- Playback of the selected title starts.

Memo:
- Playback navigation displays AVCHD files stored on the SD card in titles, not in scenes (chapters). Titles are grouped such as according to the date, recording mode, or number of scenes. Make use of thumbnail display to display titles. List display is not supported.
- The formats that can be played back are AVCHD and SD-VIDEO. If AVCHD files are displayed in thumbnails, black bars may appear on the left and right borders depending on the video resolution.
- When there are files of different formats (AVCHD, SD-VIDEO, MOV*/MXF*) in the SD card, press the [RED] button to select the format you want to display.

  MOV* : MOV format files recorded in the SP mode and HQ mode using the JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM series

  MXF* : MXF format files recorded in the SP mode and HQ mode using JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM650

- Videos can also be played back without starting up Playback Navigation.
  Pressing the [▶] button starts playback from the stop position (resume point).
  If the stop position (resume point) is not memorized, playback starts from the beginning of the playable content.
  If the setting for "QUICK STARTUP" is set to "OFF", the resume point will not be memorized when the power is turned OFF.

For details on the button operations during playback, refer to "Video Playback Operation" (☞ page 58) .

Playing Still Images (JPEG)

Still images stored on the HDD/BD/DVD/SD card can be played back using Playback Navigation.

Playing still images

1 Select the playback location

HDD : If the current playback location is "BD/DVD" or "SD CARD", press the [HDD] button on the remote control unit to switch it to "HDD".

BD/DVD : If the current playback location is "HDD" or "SD CARD", press the [BD/SD] button on the remote control unit to switch it to "BD/DVD".

SD : If the current playback location is "HDD" or "BD/DVD", press the [BD/SD] button on the remote control unit to switch it to "SD CARD".

2 Set the media

• To play a media other than "HDD", set the media on which the still images are stored.

BD/DVD : Set a BD or DVD on the disc tray

SD : Insert the SD card into the [SD SLOT]

3 Select the still images to play, and press the [▶] button

• Images selected are played back in a slideshow.
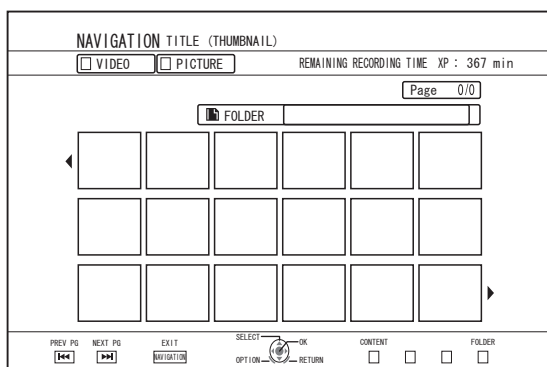
Memo:

• The slide show plays back images according to the date of the files.

• If folders exist, files inside the selected folder will be played.

• You can specify the "REPEAT", "SLIDESHOW INTERVAL" and "SLIDESHOW EFFECTS" settings in the Playback Settings menu.
For details, refer to the "REPEAT" (☞ page 63) , "SLIDESHOW INTERVAL" (☞ page 63) , and "SLIDESHOW EFFECTS" (☞ page 63) items under "Playback Settings".

Enabled button operations during still image playback

■ [▶] button

• Pressing the button when a title/group is selected starts playback of the still images in the title/group in a slideshow.

■ [■] button

• Pressing the button stops the slideshow and displays the Playback Navigation screen.

■ [❙❙] button

• Pressing the button stops the slideshow temporarily.

■ [⏮] / [⏭] button

• Pressing the button displays the previous or next still image.

■ [⏻/❙] button

• Pressing the button ends playback of the still images and turns the power of the unit to "Off".

Memo:

• The display of still images can be zoomed in/out or rotated using the following buttons when the slideshow is paused.

• [↰]/[BLUE] button
Rotates the still image by 90° in the anti-clockwise direction.

• [↻]/[YELLOW] button
Rotates the still image by 90° in the clockwise direction.

• [OK]/[RED] button
Enlarges the still image.

• [RETURN]/[GREEN] button
Reduces the enlarged still image.

• [▲ / ▼ / ◀ / ▶] button
Moves the display position of the enlarged still image toward the direction indicated by the button.

• This unit does not have a still image edit feature. Still images cannot be saved when they are zoomed in or rotated.

• Priority of display is given to the media ("BD/DVD" or "SD CARD") that contains playable still images.
If both "BD/DVD" and "SD CARD" contain playable videos, priority of display will be given to the most recently used media.

Changing Playback Settings

Displaying the playback settings menu

1 **Press the [PB MODE] button on the remote control unit during the playback of a title**

- The Settings Menu screen appears.
- The playback settings menu can only be displayed during the playback of a title.
- Only settings that are supported by the current title being played back can be changed in the playback settings menu.
  Items displayed in gray cannot be set.

Playback Settings Menu

Audio/subtitle settings
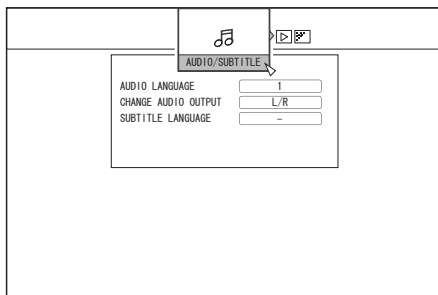
Memo:
- "AUDIO/SUBTITLE" will be displayed only if they are available in the video content. The setting value differs depending on the content. Items that are not available in the content cannot be set.

- ■ **AUDIO LANGUAGE**

- ■ **CHANGE AUDIO OUTPUT**

- ■ **SIGNAL TYPE (BD-ROM)**
  - PRIMARY VIDEO
  - PRIMARY AUDIO
  - SECONDARY VIDEO
  - CHANGE SECONDARY VIDEO
  - SECONDARY AUDIO
  - SECONDARY AUDIO LANGUAGE

- ■ **SUBTITLE LANGUAGE**

- ■ **SUBTITLE STYLE**

- ■ **CHANGE ANGLE**

Playback settings
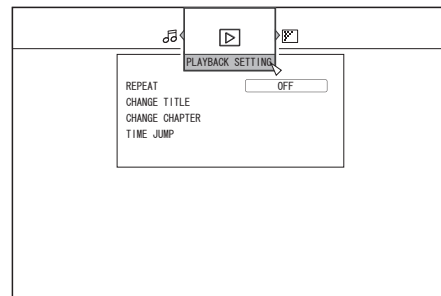
■ **REPEAT**

The following items can be set.
Items are not displayed if they cannot be set.

Setting Values	Description
OFF	Turns off repeat.
TITLE	Repeats playback of the currently played title.
CHAPTER	Repeats playback of the currently played chapter.
TRACK	Repeats playback of the currently played track.
FOLDER	Repeats playback within the currently played folder.
ALL	Repeats playback of the entire disc.
A-B	Repeats playback of the section between the specified starting and ending points. Pressing the [OK] button specifies the displayed scene as the starting point (Point A). Pressing the [OK] button after forwarding playback specifies the displayed scene as the ending point (Point B).

■ **CHANGE TITLE**

You can change to a different title by entering the corresponding numeric value. Any value that is larger than the number of titles cannot be entered.

■ **CHANGE CHAPTER**

You can change to a different chapter by entering the corresponding numeric value. Any value that is larger than the number of chapters cannot be entered.

■ **TIME JUMP**

You can move to a specific playback position by entering a time. This is not possible if the specified time is not valid.

■ **SLIDESHOW INTERVAL**

The following items can be set.
3SEC/5SEC/10SEC/20SEC/30SEC modes

■ **SLIDESHOW EFFECTS**

The following items can be set.

Setting Values	Description
OFF	Turns off slideshow effect.
ON	Turns on slideshow effect. "Fade out" and "Fade in" effects can be applied when switching from one slide to another.

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Playback Settings Menu (Continued)

Video settings
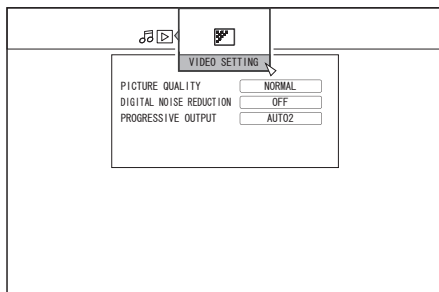
■ PICTURE QUALITY

The following items can be set.

Setting Values	Description
NORMAL	Standard picture quality.
CINEMA	Effective when playing movies.
FINE	Produces sharp images with enhanced outlines.
SOFT	Reduces noise that is prominent in the video image.
USER SETTING	Enables the Details setting. For details, refer to "DETAIL SETTING".

■ DETAIL SETTING

The following items can be set.
Choose an option and press [OK] to set the respective values.

Setting Values	Description
CONTRAST	A value between "-7" and "+7" can be set.
BRIGHTNESS	A value between "0" and "15" can be set.
SHARPNESS	A value between "-6" and "+6" can be set.
COLOR	A value between "-7" and "+7" can be set.
GAMMA	A value between "0" and "5" can be set.

■ DIGITAL NOISE REDUCTION

The following items can be set.

Setting Values	Description
OFF	Turns off DNR (Digital Noise Reduction).
ON	Reduces noise that is prominent in images of lengthy videos.

■ PROGRESSIVE OUTPUT

The following items can be set.

Setting Values	Description
AUTO1	Displays video images after they are converted according to the film material.
AUTO2	In addition to the "AUTO1" option, support is also provided for progressive videos recorded at 30 frames per second.
VIDEO	Most suitable for video images (TV broadcast, etc.). Select this option when playing videos with significant movements or animated videos.

Editing

Before editing

This unit mainly edits video images stored on the HDD. To edit video images stored in a disc or SD card, do so after importing them to the HDD.

Data on a finalized disc cannot be edited. To edit a finalized disc, you have to either unfinalize the disc, or do so after importing the data to the HDD.

Memo:
• Only discs that are finalized using this unit can be unfinalized.

Editable items for different media

Items that are editable vary according to the type of media on which the video data is stored. For details, refer to the media chart below.

■ Media chart

Editing option	HDD	BD-R/BD-RE (BDAV)	BD-R/BD-RE (BDMV)	DVD-RW/DVD-R	SD	HDD/BD-RE/SD picture
Grouping	✓	-	-	-	-	-
Changing the Title/Group Name	✓	✓	-	✓	-	-
Deleting a Title/Group	✓	✓	*3	✓	-	✓
Turning On Title/Group Protection	✓	✓	-	*1	-	✓
Turning Off Title/Group Protection	✓	✓	-	*1	-	-
Creating a Playlist	✓	-	-	-	-	-
Editing a Thumbnail	✓	✓	-	✓	-	-
Editing a Chapter	✓	*2	-	*1, *2	-	-
Dividing	✓	-	-	-	-	-
Delete Scene	✓	-	-	-	-	-
Changing the Disc Name	-	✓	-	✓	-	-
Changing the Shooting Date/Time	✓	-	-	-	-	-

Memo:

*1 : Supports only the "VR MODE".

*2 : Supports only dividing and combining of chapters.

*3 : For BDMV disc (BD-R/BD-RE) created during dubbing, the titles cannot be deleted.
For BDMV disc (BD-R) created during direct recording, the titles can be deleted before finalizing the disc. The titles cannot be deleted after finalization.
For BDMV disc (BD-RE) created during direct recording, the titles can be deleted. (☞ page 70)

Entering Characters

Names can be changed or given to stored videos or groups. You can enter characters while referring to the input on the monitor.

Character input screen
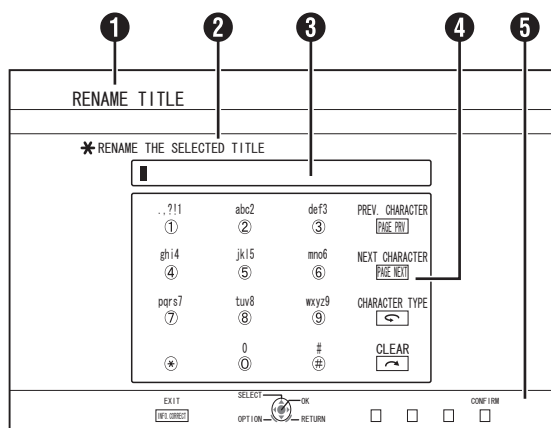
❶ Function name field

❷ Screen description

❸ Input window

Characters entered appear on the input window.

❹ Operation guide 1

The [0]-[9], [✱], [#], [PAGE PRV], [PAGE NEXT], [↶] and [↷] buttons are displayed.

❺ Operation guide 2

[▲ / ▼ / ◀ / ▶], [OK], [RETURN], [OPTION], [BLUE], [RED], [GREEN] and [YELLOW] buttons are displayed.

❻ Character input keyboard

A character input keyboard appears during input of symbol. You can enter characters by selecting them accordingly from the keyboard.

Entering characters

1 Enter characters using the [0]-[9], [✱] or [#] buttons

2 After character input is complete, press the [BLUE] button

Memo:
- Switch between alphanumeric and symbol input by pressing the [↶] button.
- For details on the correspondence between each button and the input characters, refer to the "Character List".
- Press the [↷] button to delete an input character. Press and hold down the [↷] button to delete all input characters.
- Pressing the [RETURN] button calls up the confirmation screen to cancel character input.
  To cancel character input and return to the initial screen, select "YES" and press the [OK] button.
  To return to the character input screen, select "NO" and press the [OK] button.
- Up to about 20 alphanumeric characters can be displayed on the disc menu of BDMV and DVD-VIDEO. (The number of characters that can be displayed varies with the character.)

Note:
- If you switch the screen display before confirming the input characters, a message will appear on the screen.
  To cancel character input and return to the initial screen, select "STOP" and press the [OK] button.
  To return to the character input screen, select "BACK" and press the [OK] button.
- If the converted characters exceed the maximum number of input characters, a message will appear on the screen.
  Select "OK" and press the [OK] button to delete the excess characters and to input the remaining ones.
  Select "RETURN" and press the [OK] button to restore the unconfirmed characters.
- No more characters can be input if the maximum character limit has been reached.

Character List

[1]	.	,	?	!	1	-	(	)	@	/	:	_																									
[2]	a	b	c	A	B	C	ä	æ	å	à	á	â	ã	ç	Ä	Æ	Å	À	Á	Â	Ã	Ç	2													
[3]	d	e	f	D	E	F	è	é	ê	ë	ð	È	É	Ê	Ë	Đ	3																			
[4]	g	h	i	T	G	H	I	ì	í	î	ï	Ì	Í	Î	Ï	4																				
[5]	j	k	l	J	K	L	£	5																													
[6]	m	n	o	M	N	O	ö	ø	ò	ó	ô	õ	ñ	Ö	Ø	Ò	Ó	Ô	Õ	Ñ	6															
[7]	p	q	r	s	P	Q	R	S	ÿ	ß	$	7																									
[8]	t	u	v	T	U	V	ù	ú	û	ü	Ù	Ú	Û	Ü	8																						
[9]	w	x	y	z	W	X	Y	Z	ý	þ	Ý	Þ	9																								
[0]	0	.	@	-	_	/	:	!	?	~	(	)	*	#	+	,	^	;	<	=	>	$	¥	%	&	[	]	'	`	{	|	}	*1
[*]	,	.	-	~	!	?	*1																															

*1: Single-byte space

*2: Press the [#] button to return to the previous input character.

Grouping

Multiple titles stored on the HDD can be combined into a group.

Memo:
• Only video data stored on the HDD can be grouped.

Grouping

1 Press the [NAVIGATION] button on the remote control unit
• The Playback Navigation screen appears.

2 Select the titles or groups to be grouped, and press the [MARK] button
• Pressing the [MARK] button adds a check mark to the selected titles/groups.
All titles and groups with the check mark will be grouped together.

3 Press the [OPTION] button on the remote control unit
• A pop-up option list appears.

4 Select "GROUP", and press the [OK] button
• A grouping confirmation screen appears.
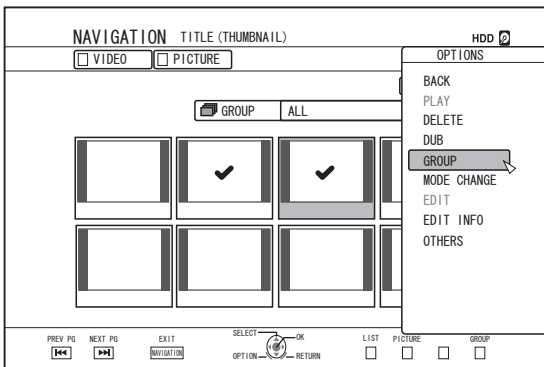
5 Select "GROUP", and press the [OK] button
• The selected titles and groups are now grouped together.
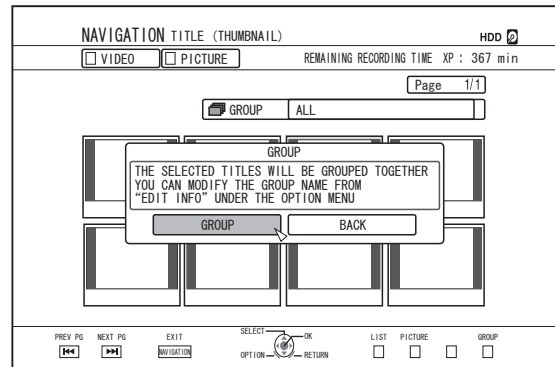
Memo:
• To cancel grouping, select "BACK" and press the [OK] button.
• Alternatively, you can press the [RETURN] button to cancel grouping and return to the initial screen.

Ungrouping

1 Press the [NAVIGATION] button on the remote control unit
• The Playback Navigation screen appears.

2 Select the group to ungroup, and press the [OPTION] button
• A pop-up option list appears.

3 Select "UNGROUP", and press the [OK] button
• An ungroup confirmation screen appears.
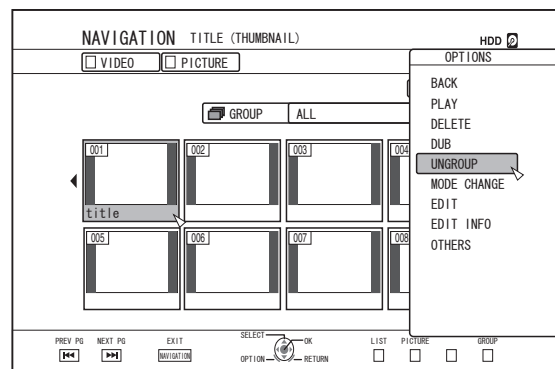
Memo:
• You cannot ungroup multiple groups at the same time. When multiple groups are selected, the "UNGROUP" item does not appear in the option list.

4 **Select "YES", and press the [OK] button**
- All titles within the selected group are ungrouped.
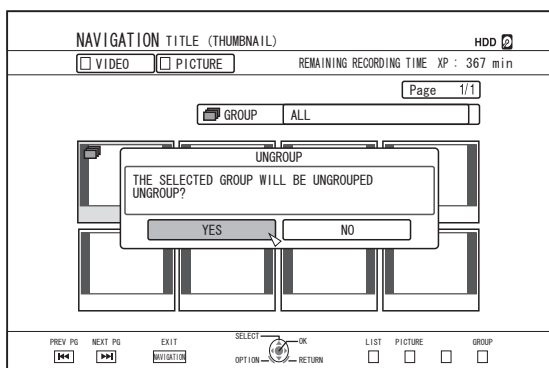
Memo:
- To cancel ungrouping, select "NO" and press the [OK] button.
- Alternatively, you can press the [RETURN] button to cancel ungrouping and return to the initial screen.

Excluding from a group

You can select titles and exclude them from a group.

1 **Press the [NAVIGATION] button on the remote control unit**
- The Playback Navigation screen appears.

2 **Select the titles to exclude from the group, and press the [MARK] button**
- Pressing the [MARK] button adds a check mark to the selected titles/groups.
  All titles with the check mark will be excluded from the group.
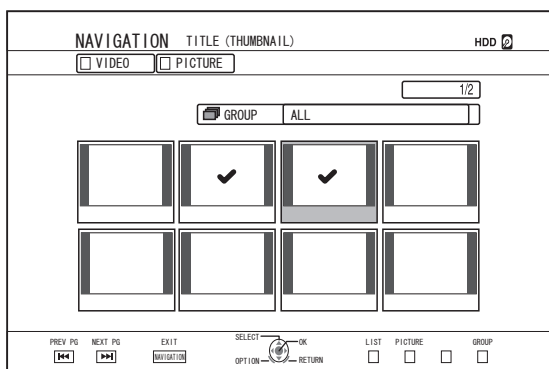
3 **Press the [OPTION] button on the remote control unit**
- A pop-up option list appears.

4 **Select "DO NOT GROUP", and press the [OK] button**
- A confirmation screen for group exclusion appears.

5 **Select "YES", and press the [OK] button**
- The selected titles are now excluded from the group.
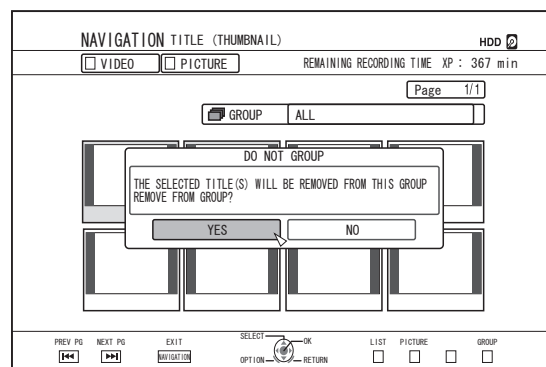
Memo:
- To cancel, select "NO" and press the [OK] button.
- Alternatively, you can press the [RETURN] button to cancel group exclusion and return to the initial screen.

Changing the Title/Group Name

The saved title/group name can be changed as follows.

Memo:
- A title/group name can be added to video data stored on the HDD, BD-RE, BD-R, DVD-RW, or DVD-R, and the name can be changed.
- For video data stored on a DVD-RW or DVD-R in the Video mode, the title/group name cannot be changed. However, you can change the name if the disc has not been finalized.

1 Press the [NAVIGATION] button on the remote control unit
- The Playback Navigation screen appears.

2 Select the title/group for which the name is to be changed, and press the [OPTION] button
- A pop-up option list appears.

3 Select "EDIT INFO", and press the [OK] button
- An information editing screen appears.
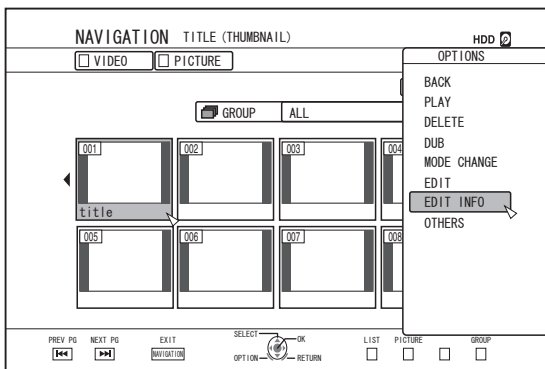
4 Select "MODIFY TITLE NAME" or "MODIFY GROUP NAME", and press the [OK] button
- A title/group name modifying screen appears.
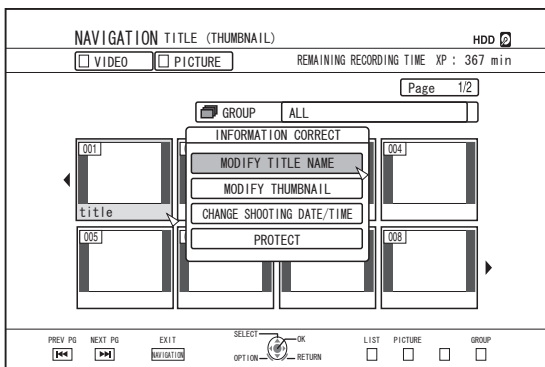
5 Modify the title/group name
- The modified title/group name is now saved.

Memo:
- For details on the method of character input, refer to "Entering Characters" (☞ page 66) .

Deleting a Title/Group

Titles/groups can be deleted. When you delete a group, all titles contained within the group are deleted.

Memo:
- When a title/group is deleted from the HDD, BD-RE, or DVD-RW, the remaining space on the media increases according to the size of the deleted title/group.
  Deleting a title/group from a BD-R or DVD-R does not increase the amount of available space on the disc.

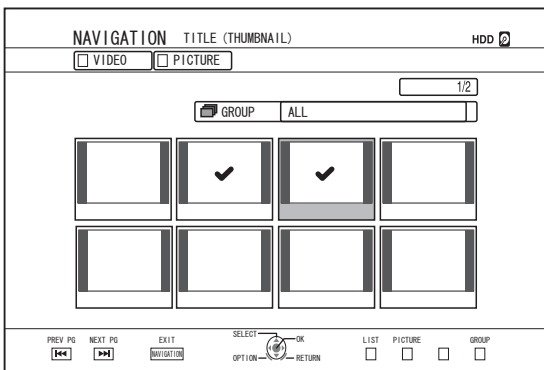**1 Press the [NAVIGATION] button on the remote control unit**
- The Playback Navigation screen appears.

2 Select the titles/groups to delete, and press the [OPTION] button
- To delete the entire group, select the thumbnails with the group icon indication.
- Pressing the button displays a pop-up option list.

3 Select "DELETE", and press the [OK] button
- A confirmation screen for title/group deletion appears.
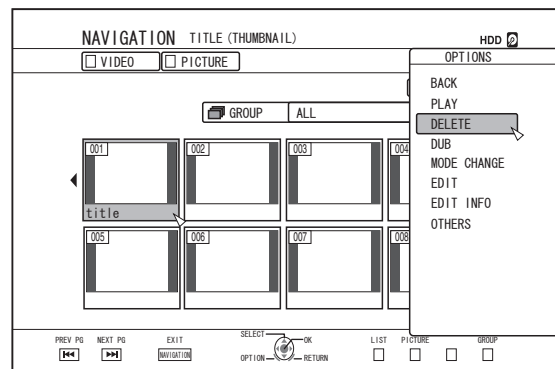
4 Select "DELETE", and press the [OK] button
- The selected titles/groups are deleted.
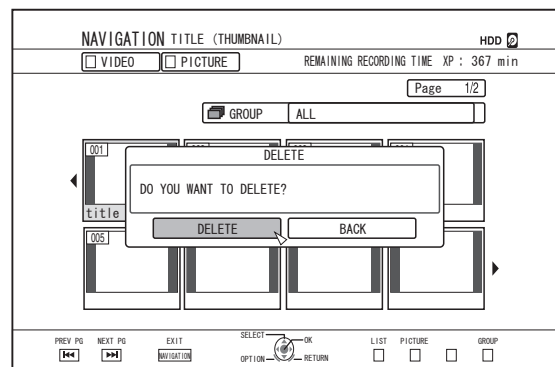
Memo:
- To cancel the title/group deletion operation, select "BACK" and press the [OK] button.
- Alternatively, you can press the [RETURN] button to cancel the deletion operation and return to the initial screen.
- Titles recorded directly to a BDMV disc can be deleted by pressing the [DELETE] button on the remote control when the title is currently being played.
  During playback of a title, you can also delete it by pressing the [OPTION] button and selecting "DELETE".

Turning On Title/Group Protection

Titles/groups can be protected.
Editing and deletion cannot be performed on protected titles/ groups.

- Title/group protection can be turned on for video data stored on the HDD, BD-RE (BDAV), BD-R (BDAV), and DVD-RW (VR).

1 **Press the [NAVIGATION] button on the remote control unit**

- The Playback Navigation screen appears.

2 **Select the titles/groups to be protected, and press the [OPTION] button**

- A pop-up option list appears.
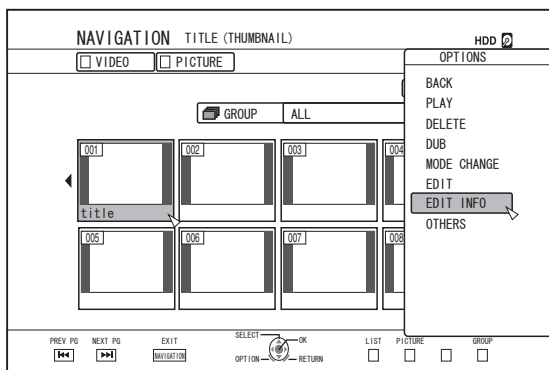
3 **Select "EDIT INFO", and press the [OK] button**

- An information editing screen appears.
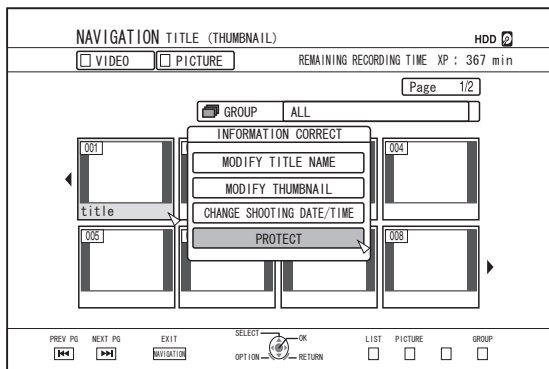
4 **Select "PROTECT", and press the [OK] button**

- If only a single title was selected in step 2, a confirmation screen for title protection will appear.

- If multiple titles or groups were selected in step 2, "PROTECT" and "UNPROTECT" items will be displayed.

5 **Select "YES", and press the [OK] button**

- The selected titles/groups are now protected.

Memo:
- All selected titles and groups will be protected when multiple titles or groups are selected.
- To turn off the title/group protection, select "NO" and press the [OK] button.
- Alternatively, you can press the [RETURN] button to turn off the protection and return to the initial screen.

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Turning Off Title/Group Protection

Protection of a title/group can be turned off.
Titles/groups can be edited and deleted after their protection is turned off.

- Title/group protection can be turned off for video data stored on the HDD, BD-RE (BDAV), BD-R (BDAV), and DVD-RW (VR).

1 **Press the [NAVIGATION] button on the remote control unit**

- The Playback Navigation screen appears.

2 **Select the titles/groups to turn off protection for, and press the [OPTION] button**

- A pop-up option list appears.

NAVIGATION TITLE (THUMBNAIL)   HDD
□ VIDEO   □ PICTURE

OPTIONS
GROUP   ALL   BACK
                      PLAY
001   002   003   004   DELETE
                           DUB
                           MODE CHANGE
title   EDIT
005   006   007   008   EDIT INFO
                           OTHERS

PREV PG NEXT PG EXIT   SELECT   OK   LIST PICTURE GROUP
                 NAVIGATION OPTION RETURN □   □   □

3 **Select "EDIT INFO", and press the [OK] button**

- An information editing screen appears.

NAVIGATION TITLE (THUMBNAIL)   HDD
□ VIDEO   □ PICTURE   REMAINING RECORDING TIME XP : 367 min
                                              Page 1/2
GROUP   ALL
        INFORMATION CORRECT
001   004
        MODIFY TITLE NAME
        MODIFY THUMBNAIL
title   CHANGE SHOOTING DATE/TIME
005   UNPROTECT   008

PREV PG NEXT PG EXIT   SELECT   OK   LIST PICTURE GROUP
                 NAVIGATION OPTION RETURN □   □   □

4 **Select "UNPROTECT", and press the [OK] button**

- If only a single title was selected in step 2, a confirmation screen for turning off protection will appear.

NAVIGATION TITLE (THUMBNAIL)   HDD
□ VIDEO   □ PICTURE   REMAINING RECORDING TIME XP : 367 min
                                              Page 1/1
GROUP   ALL
        UNPROTECT
        XXX TITLES HAVE BEEN SELECTED TO REMOVE THE PROTECTION

        YES   NO

PREV PG NEXT PG EXIT   SELECT   OK   LIST PICTURE GROUP
                 NAVIGATION OPTION RETURN □   □   □
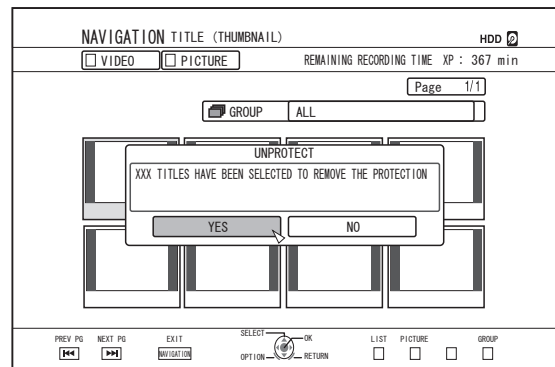
- If multiple titles or groups were selected in step 2, "UNPROTECT" and "PROTECT" items will be displayed.

5 **Select "YES", and press the [OK] button**

- Protection of the selected titles/groups is now turned off.

Memo:
- Protection will be turned off from all selected titles and groups when multiple titles or groups are selected.
- If you do not want to turn off the title/group protection, select "NO" and press the [OK] button.
- Alternatively, you can press the [RETURN] button to cancel protection removal and return to the initial screen.

Creating a Playlist

A playlist can be created from the video titles on the HDD.
- Playlists can only be created for titles that are stored on the HDD.

Playlist : Enables you to create a program by selecting chapters from a specific title and editing their playback sequence.

Memo:
- The playlist created comes in handy during playback and dubbing to a disc.

Creating a Playlist

1 Press the [NAVIGATION] button on the remote control unit
- The Playback Navigation screen appears.

2 Select the title for which a playlist is to be created, and press the [OPTION] button

3 Select "EDIT", and press the [OK] button
- The Edit menu screen appears.
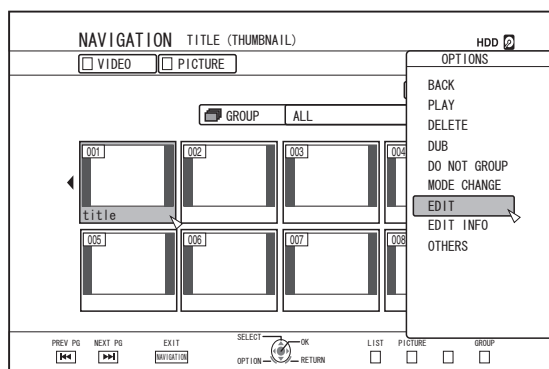
4 Select "PLAYLIST EDIT", and press the [OK] button
- The playlist edit screen appears.
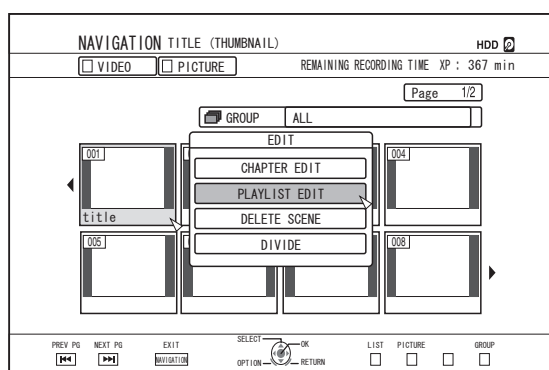
5 Edit the playlist accordingly by selecting chapters from the source title according to your preference
- Edit the playlist.
  For details, refer to "Editing the playlist".
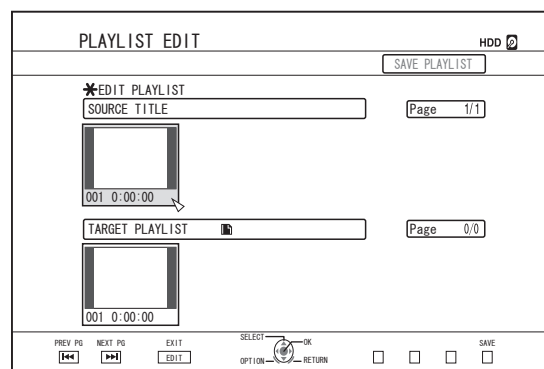
6 Press the [BLUE] button on the remote control unit
- A playlist is created.

Editing the playlist

- **Chapter insertion**
  ① **Select the chapter to insert from the thumbnails of the "SOURCE TITLE", and press the [OK] button**
  ② **Select the position to insert the chapter from the "TARGET PLAYLIST", and press the [OK] button**

- **Chapter deletion**
  ① **Select the chapter to delete from the thumbnails of the "TARGET PLAYLIST", and press the [OK] button**
  ② **Select "DELETE", and press the [OK] button**

- **Entering the playlist name**
  ① **Select "TARGET PLAYLIST", and press the [OK] button.**
  ② **Enter a playlist name, and press the [OK] button**

Memo:
- For details on the method of character input, refer to "Entering Characters" (☞ page 66) .

Note:
- Deleting the original title list will cause the playlist to be deleted as well.
  Editing the original title list, or changing the recording mode may cause the playlist to be deleted.

Editing a Thumbnail

Thumbnails (index images) can be changed to a still image according to your preference.

Memo:
- Thumbnails of titles stored on the HDD, BD-RE, BD-R, DVD-RW, and DVD-R can be edited.
- However, thumbnails of titles that are stored on an SD card or finalized disc cannot be edited.

1 **Press the [INFORMATION CORRECT] button on the remote control unit**
- An information editing screen appears.
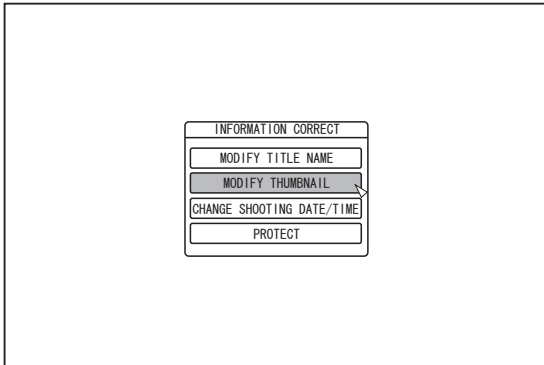
2 **Select "MODIFY THUMBNAIL", and press the [OK] button**
- A thumbnail modification screen appears.

3 **Play the video, and press the [❙❙] button to stop at the scene you want to use as thumbnail display**
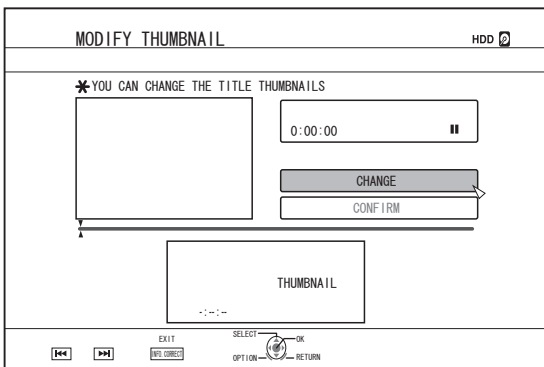
Memo:
- For details on the button operations during playback, refer to "Video Playback Operation" (☞ page 58) .

4 **Select "CHANGE", and press the [OK] button**
- The displayed still image now becomes the thumbnail image.

5 **Select "CONFIRM", and press the [OK] button**
- Doing so ends the editing of thumbnails.

Memo:
- You can also display the thumbnail modification screen from the Playback Navigation screen.
  ① **Select the title for which the thumbnail is to be changed, and press the [OPTION] button**
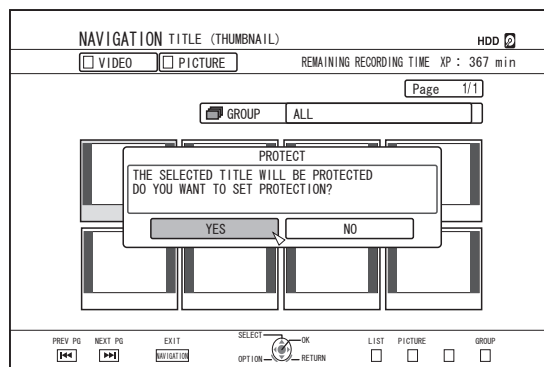 ② **Select "EDIT INFO", and press the [OK] button**
- An information editing screen appears.
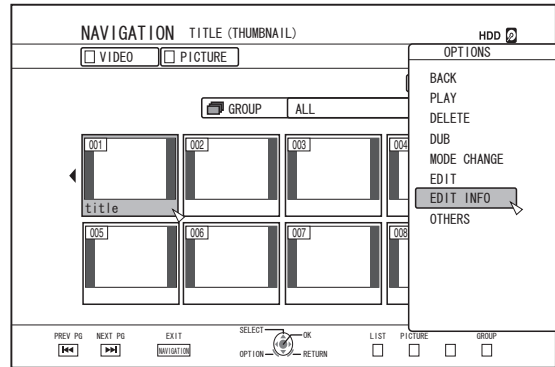
③ **Select "MODIFY THUMBNAIL", and press the [OK] button**
- A thumbnail modification screen appears.
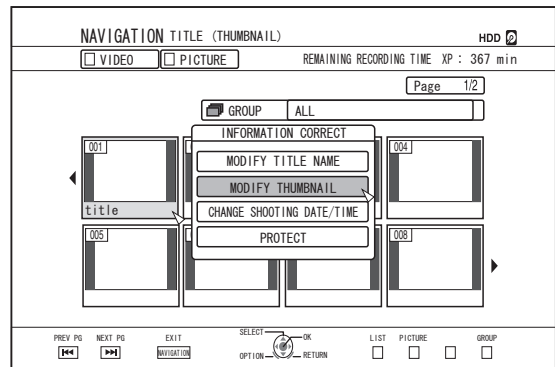
Editing a Chapter

Creating a chapter mark for a saved title enables you to find a specific scene within the title.

Memo:
- All chapter editing functions can be performed on titles stored on the HDD.
  Titles stored on a BD-RE (BDAV), BD-R (BDAV), DVD-R (VR), or DVD-RW (VR) only allow chapters to be divided or combined.
- The chapters of titles that are stored on an SD card or finalized disc cannot be edited.
- Also, protected titles cannot be edited. To perform chapter edit of a title, turn off the protection.

For details on turning off the title protection, refer to "Turning Off Title/Group Protection" (☞ page 72) .

Chapter edit functions

- Chapter mark insertion (divide chapter)
  Divides a chapter by inserting a chapter mark.
- Chapter mark deletion (combine chapters)
  Combine chapters by deleting the chapter mark.
- Chapter deletion
  Deletes a specified chapter.

Editing a chapter

1 Press the [EDIT] button on the remote control unit
- The Edit menu screen appears.

2 Select "CHAPTER EDIT", and press the [OK] button
- The title screen appears.

```
                    EDIT
              CHAPTER EDIT
              PLAYLIST EDIT
              DELETE  SCENE
              DIVIDE
```
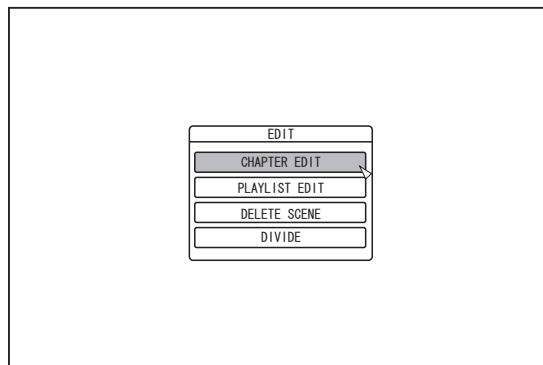
3 Select a title, and press the [OK] button

Memo:
- The chapter edit screen can also be called up from the Playback Navigation screen.
  ① **Select the title to perform chapter edit, and press the [OPTION] button**
  ② **Select "EDIT", and press the [OK] button**

```
NAVIGATION  TITLE (THUMBNAIL)                    HDD
  VIDEO      PICTURE                              OPTIONS
                                                  BACK
                  GROUP   ALL                     PLAY
                                                  DELETE
    001    002    003    004                       DUB
                                                  DO NOT GROUP
                                                  MODE CHANGE
   title                                          EDIT
    005    006    007    008                      EDIT INFO
                                                  OTHERS

PREV PG  NEXT PG  EXIT      SELECT    OK    LIST PICTURE  GROUP
                 NAVIGATION OPTION    RETURN
```

③ **Select "CHAPTER EDIT", and press the [OK] button**

```
NAVIGATION  TITLE (THUMBNAIL)                    HDD
  VIDEO      PICTURE        REMAINING RECORDING TIME  XP : 367 min
                                                  Page   1/2
                  GROUP   ALL
                           EDIT
    001              CHAPTER EDIT              004
                     PLAYLIST EDIT
   title             DELETE  SCENE
    005              DIVIDE                    008

PREV PG  NEXT PG  EXIT      SELECT    OK    LIST PICTURE  GROUP
                 NAVIGATION OPTION    RETURN
```
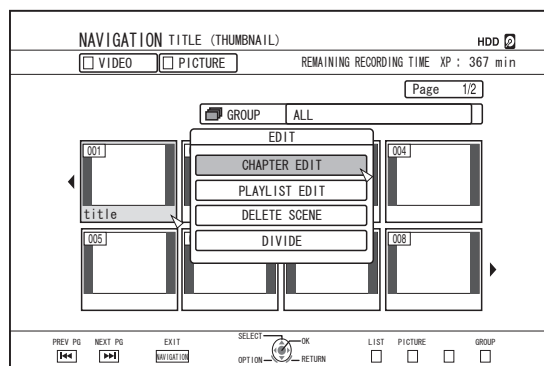
- For details on the button operations during playback, refer to "Video Playback Operation" (☞ page 58) .
- Frame movement on the Chapter Edit screen can only be performed one frame at a time regardless of the "STILL MODE" (☞ page 85) setting.

Editing a Chapter (Continued)

■ **Chapter mark insertion (divide chapter)**

1 **Play the video, and press the [❚❚] button to stop at the scene you want to add a chapter mark**

2 **Press the [MARK] button on the remote control unit**

• A chapter mark is inserted into the paused scene.

```
CHAPTER EDIT                              HDD
✳YOU CAN EDIT THE TITLE TO VIEW BY CHAPTERS   Page   1/1

                              -:-:-              ❚❚

                                    CONFIRM


   001  0:00:00

   PREV PG  NEXT PG   EXIT        SELECT     OK
    |◀◀       ▶▶|     EDIT      OPTION        RETURN
```

Memo:
• The chapter is now divided into two parts at the position of the chapter mark.

■ **Chapter mark deletion (combine chapters)**

1 **Play the video, and press the [❚❚] and [◀ / ▶] buttons to display the scene for which you want to delete the chapter mark**

2 **Press the [MARK] button on the remote control unit**

• A confirmation screen for deleting the chapter mark appears.

```
CHAPTER EDIT                              HDD
✳YOU CAN EDIT THE TITLE TO VIEW BY CHAPTERS   Page   1/1

                              -:-:-              ❚❚

                   CHAPTER EDIT
        CHAPTER MARK ALREADY EXISTS.
        DO YOU WANT TO DELETE THE
        EXISTING CHAPTER MARK?
             YES              NO

   001  0:00:00

   PREV PG  NEXT PG   EXIT        SELECT     OK
    |◀◀       ▶▶|     EDIT      OPTION        RETURN
```
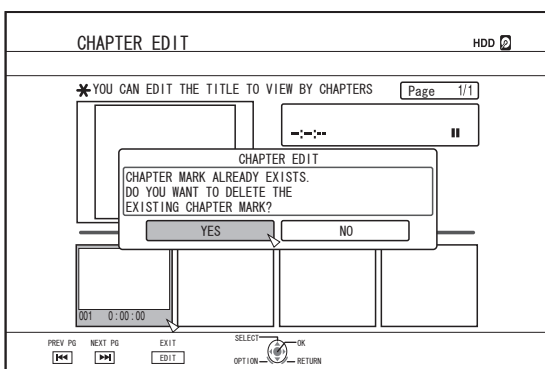
3 **Select "YES", and press the [OK] button**

• The chapter mark is deleted from the selected scene.

Memo:
• The chapters before and after the position of the chapter mark are now combined.
• Pressing the [▶▶| / |◀◀] button displays the next/previous page.

■ **Deleting a video chapter**

1 **Select the chapter for which you want to delete the video from the chapter edit screen**

2 **Press the [DELETE] button on the remote control unit**

• A confirmation screen for deleting the chapter appears.

```
CHAPTER EDIT                              HDD
✳YOU CAN EDIT THE TITLE TO VIEW BY CHAPTERS   Page   1/1

                              -:-:-              ❚❚

                   CHAPTER EDIT
        THE SPECIFIED CHAPTER WILL BE DELETED
        DELETED DATA CANNOT BE RESTORED

             DELETE         CANCEL

   001  0:00:00

   PREV PG  NEXT PG   EXIT        SELECT     OK
    |◀◀       ▶▶|     EDIT      OPTION        RETURN
```
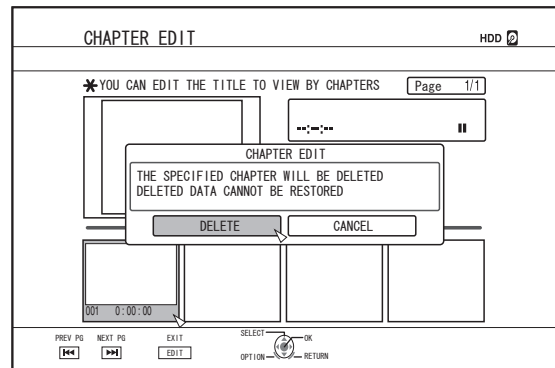
3 **Select "DELETE", and press the [OK] button**

• The selected video chapter is deleted.

Note:
• Videos cannot be restored once they are deleted.
• Deletion of the video may fail if the length of the chapter is too short.

Chapter options

Pressing the [OPTION] button on the remote control when the Chapter Edit screen is displayed enables you to perform the following editing operations.

■ **Combining with previous chapter**

• Combines the selected chapter with the previous chapter.
  ① **Select a chapter, followed by "COMB. W/PREV CH", and press the [OK] button**
  • Combines chapters.

■ **Combining with next chapter**

• Combines the selected chapter with the next chapter.
  ① **Select a chapter, followed by "COMB. W/NEXT CH", and press the [OK] button**
  • Combines chapters.

■ **Combining all chapters**

• Combines all chapters.
  ① **Select "COMB. ALL CHAP.", and press the [OK] button**
  • A confirmation screen for combining all the chapters is displayed.
  ② **Select "YES", and press the [OK] button**
  • Combines all the chapters.

Dividing

You can select a saved title and divide it into two titles.

Memo:
- Dividing can only be applied to titles stored on the HDD.
- Titles that are protected cannot be divided. To divide a title, turn off the protection.

For details on turning off the title protection, refer to "Turning Off Title/Group Protection" (☞ page 72) .

Dividing

1 **Press the [EDIT] button on the remote control unit**
- The Edit menu screen appears.

2 **Select "DIVIDE", and press the [OK] button**
- The title screen appears.
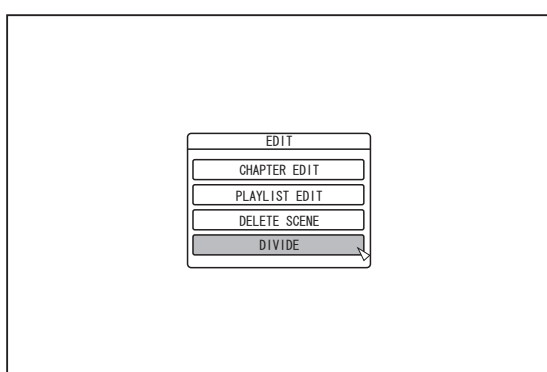
3 **Select a title, and press the [OK] button**

4 **Play the video, and press the [❙❙] button at the scene where you want to perform dividing**

5 **Select "DIVIDING POINT", and press the [OK] button**
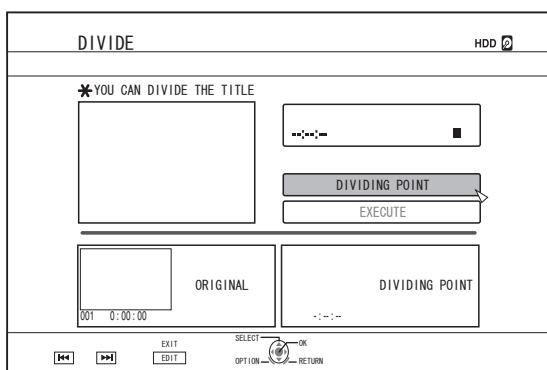
Memo:
- For details on the button operations during playback, refer to "Video Playback Operation" (☞ page 58) .
- Frame movement on the Chapter Edit screen can only be performed one frame at a time regardless of the "STILL MODE" (☞ page 85) setting.

6 **Select "EXECUTE", and press the [OK] button**
- A confirmation screen for performing dividing appears.
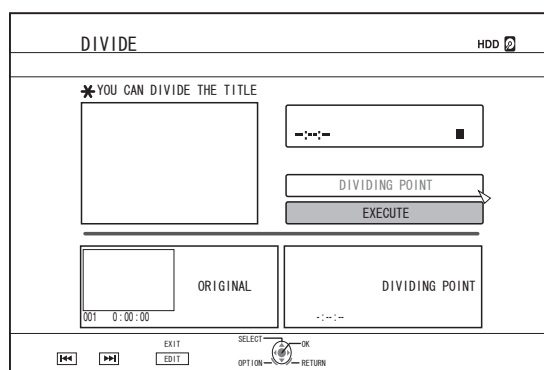
7 **Select "DIVIDE", and press the [OK] button**
- Dividing starts.
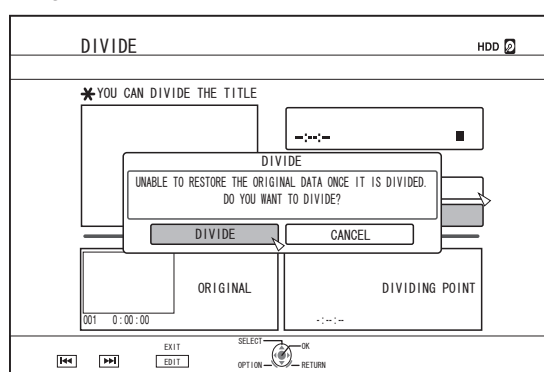
Dividing (Continued)

Memo:
- To cancel the dividing operation, select "CANCEL" and press the [OK] button.
- Alternatively, you can press the [RETURN] button to cancel the divide operation and return to the initial screen.
- The dividing edit screen can also be called up from the Playback Navigation screen.
  ① **Select the titles to divide, and press the [OPTION] button**
  ② **Select "EDIT", and press the [OK] button**
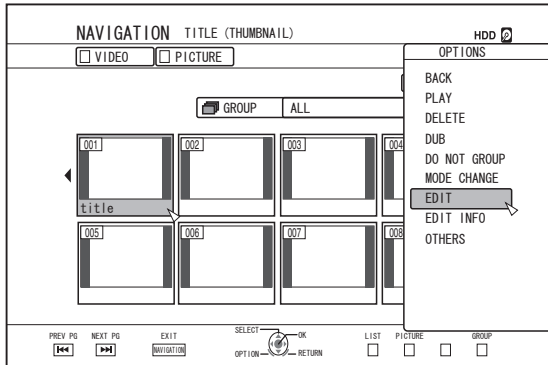
③ **Select "DIVIDE", and press the [OK] button**
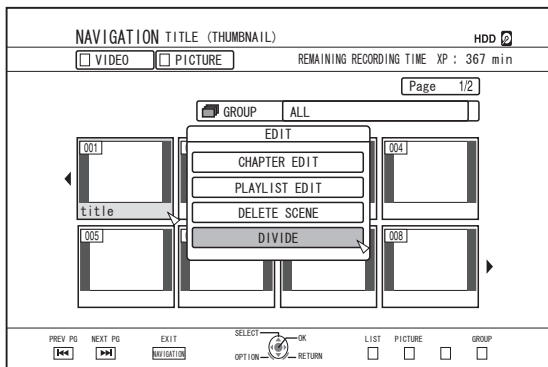
Delete Scenes

Unwanted scenes of a saved title can be deleted.
Doing so helps to increase the free space on the disc.
Memo:
- Deleting scenes can only be applied to titles stored on the HDD.
- Titles that are protected cannot be deleted. To enable scene delete of a title, turn off the protection.

For details on turning off the title protection, refer to "Turning Off Title/Group Protection" (☞ page 72) .

- HD content for which the delete scene operation has been applied cannot be dubbed to BDMV. Perform seamless conversion before starting a dubbing operation.

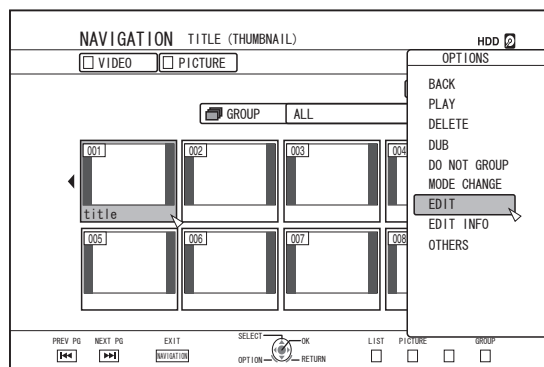For details, refer to "Mode conversion" (☞ page 81) .

Delete Scenes

1 **Press the [EDIT] button on the remote control unit**
- The Edit menu screen appears.

2 **Select "DELETE SCENE", and press the [OK] button**
- Displays the Title Display screen.
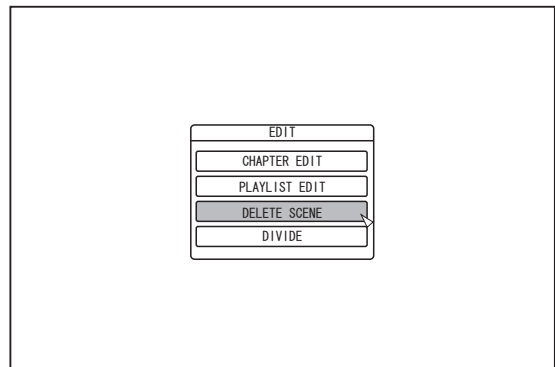
3 **Select a title, and press the [OK] button**

4 **Edit the delete scene section**

Follow the steps below to edit the section for which delete scene is to be applied.

① **Play the video, and press the [❚❚] button at the point where you want to start the delete operation**
② **Select "START", and press the [OK] button**

DELETE SCENE   HDD 🄌

✱YOU CAN DELETE SCENES

0:00:00   ❚❚
START   END
NEXT
EXECUTE

START   END
-:--:--   -:--:--

EXIT   SELECT   OK
I◀◀   ▶▶I   EDIT   OPTION   RETURN
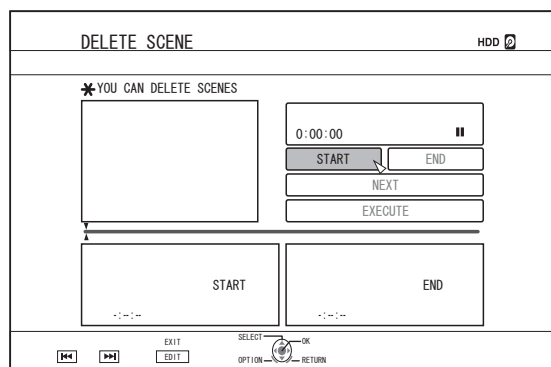
③ **Play the video, and press the [❚❚] button at the point where you want to end the delete operation**
④ **Select "END", and press the [OK] button**

DELETE SCENE   HDD 🄌

✱YOU CAN DELETE SCENES

0:00:03   ❚❚
START   END
NEXT
EXECUTE

START   END
001 0:00:03   -:--:--

EXIT   SELECT   OK
I◀◀   ▶▶I   EDIT   OPTION   RETURN
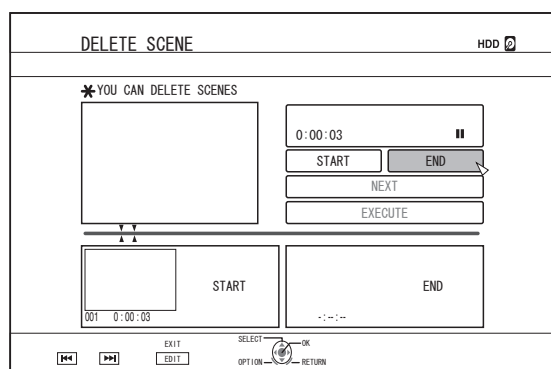
⑤ **To continue specifying other sections to delete, select "NEXT", and press the [OK] button**

DELETE SCENE   HDD 🄌

✱YOU CAN DELETE SCENES

0:00:17   ❚❚
START   END
NEXT
EXECUTE

START   END
001 0:00:03   001 0:00:17

EXIT   SELECT   OK
I◀◀   ▶▶I   EDIT   OPTION   RETURN

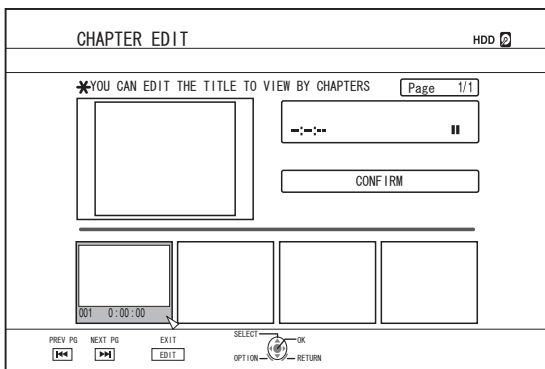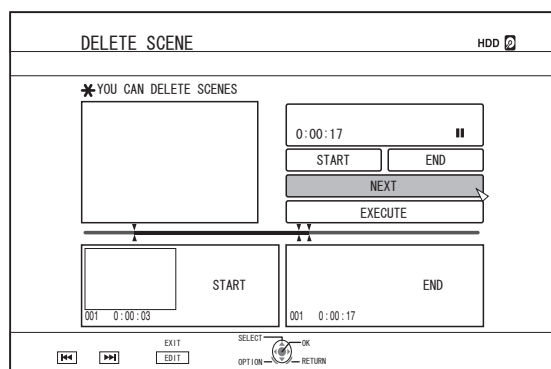⑥ **Repeat Steps 1 to 4 to specify the sections to delete**
Memo:
• For details on the button operations during playback, refer to "Video Playback Operation" (☞ page 58) .
• Frame movement on the Chapter Edit screen can only be performed one frame at a time regardless of the "STILL MODE" (☞ page 85) setting.

5 **Select "EXECUTE", and press the [OK] button**
• A confirmation screen for performing scene delete appears.

6 **Select "EXECUTE", and press the [OK] button**
• Scene deletion starts.

DELETE SCENE   HDD 🄌

✱YOU CAN DELETE SCENES

0:00:09   ❚❚
DELETE SCENE
THE SPECIFIED SECTION (XX SEGMENT(S)) WILL BE DELETED
EXECUTE   CANCEL

START   END
001 0:00:00   001 0:00:09

EXIT   SELECT   OK
I◀◀   ▶▶I   EDIT   OPTION   RETURN
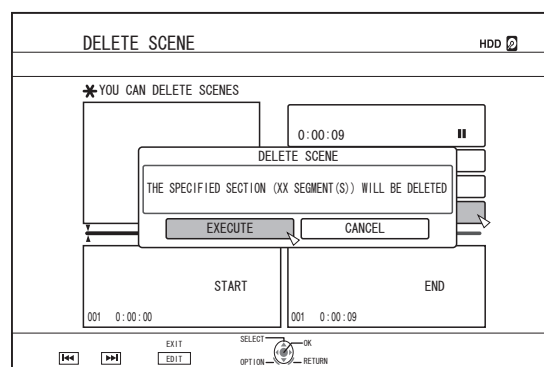
Memo:
• To cancel the delete scene operation, select "CANCEL" and press the [OK] button.
• Alternatively, you can press the [RETURN] button to cancel delete scene and return to the initial screen.

Changing the Disc Name

The name of a BD or DVD disc can be changed as follows.

1 **Set the BD or DVD for which the disc name is to be changed on the disc tray**

2 **Press the [MEDIA MANAGE] button on the remote control unit**

• The Media Management menu screen appears.

```
            MEDIA MANAGEMENT
      ◉ BD/DVD
           ┌─────────────────┐
           │     FORMAT       │
           ├─────────────────┤
           │    FINALIZE      │
           ├─────────────────┤
           │   RENAME DISC    │
           └─────────────────┘
      ▯ SD CARD
           ┌─────────────────┐
           │     FORMAT       │
           ├─────────────────┤
           │ BD-VIDEO DATA ERASE │
           └─────────────────┘
      ⊘ HDD
           ┌─────────────────┐
           │     FORMAT       │
           └─────────────────┘
```
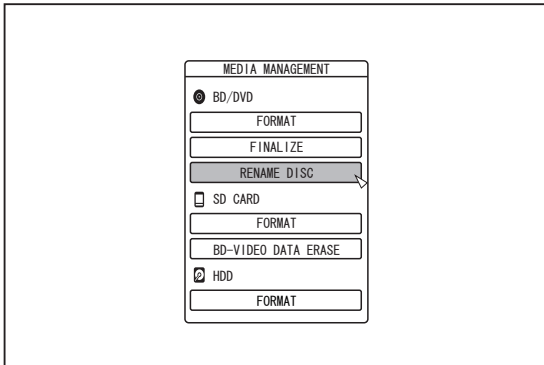
3 **Select "RENAME DISC" under "BD/DVD", and press the [OK] button**

• A disc name modification screen appears.

```
   RENAME DISC
─────────────────────────────────────
   ✱ PLEASE RENAME THE DISC
     ┌─────────────────────────────┐
     │▮                            │
     └─────────────────────────────┘
      ..?!1    abc2     def3    PREV. CHARACTER
       ①        ②        ③       PAGE PRV
      ghi4     jkl5     mno6    NEXT CHARACTER
       ④        ⑤        ⑥       PAGE NEXT
      pqrs7    tuv8     wxyz9   CHARACTER TYPE
       ⑦        ⑧        ⑨         ↶
                 0        #      CLEAR
       ⊛         ⓪        ⌗        ↰
─────────────────────────────────────
    EXIT      SELECT─┐ OK            CONFIRM
  MEDIA MANAGE  OPTION─┘ RETURN  ▯ ▯ ▯ ▯
```
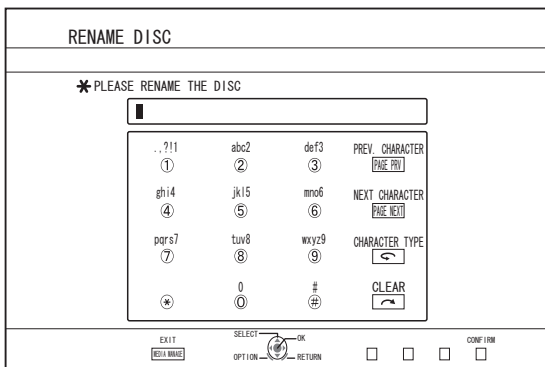
4 **Modifying the Disc Name**

• The new disc name is now saved.

Memo:
• For details on the method of character input, refer to "Entering Characters" (☞ page 66) .

Changing the Shooting Date/Time

The date/time of the stored video can be changed as follows.

• The shooting date/time of videos stored on the HDD can be changed.

1 **Press the [INFORMATION CORRECT] button on the remote control unit**

• An information correct screen appears.

```
         INFORMATION CORRECT
       ┌──────────────────────────┐
       │    MODIFY TITLE NAME      │
       ├──────────────────────────┤
       │    MODIFY THUMBNAIL       │
       ├──────────────────────────┤
       │ CHANGE SHOOTING DATE/TIME │
       ├──────────────────────────┤
       │        PROTECT            │
       └──────────────────────────┘
```
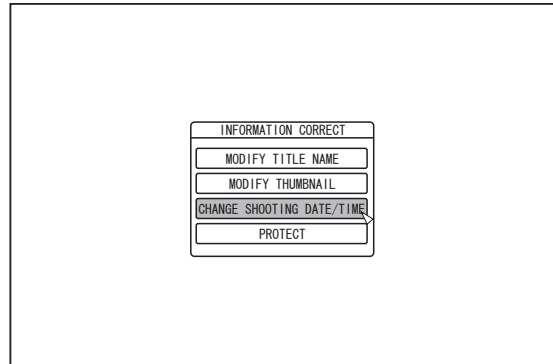
2 **Select "CHANGE SHOOTING DATE/TIME", and press the [OK] button**

• A thumbnail screen appears.

3 **Select the title for which the shooting date/time is to be changed, and press the [OK] button**

• The screen for changing the shooting date/time appears.

4 **Change the shooting date/time**

• Perform the following steps to change the shooting date/ time.

```
  INFO. CORRECT TITLE (THUMBNAIL)              HDD ⊘
   ▯ VIDEO   ▯ PICTURE    REMAINING RECORDING TIME  XP : 367 min
                                          Page   1/1
        ▱ GROUP      ALL
         CHANGE SHOOTING DATE/TIME
      ┌──────────────┬──────────────┐
      │    YEAR       │    2009      │
      ├──────────────┼──────────────┤
      │  MONTH/DAY    │   JAN/01     │
      ├──────────────┼──────────────┤
      │    TIME       │   AM3:22     │
      └──────────────┴──────────────┘
             ┌──────────────┐
             │    ENTER      │
             └──────────────┘

  PREV PG  NEXT PG   EXIT    SELECT─┐ OK   LIST PICTURE GROUP
   ⏮       ⏭    INFO. CORRECT  OPTION─┘ RETURN  ▯   ▯    ▯
```
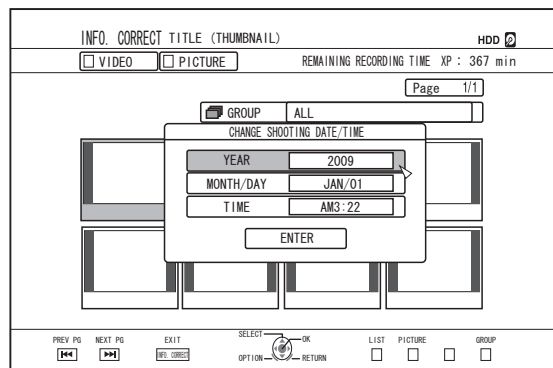
① **Use the [▲] and [▼] buttons to move the cursor to the item you want to change**
② **Press the [OK] button to display the pop-up screen**
③ **Use the [▲] and [▼] buttons to select a desired value**
④ **Press the [OK] button to choose the value**
⑤ **Repeat Steps 1 to 4 to change settings for any desired items**

5 Select "ENTER", and press the [OK] button

• The modified shooting date/time is saved.

Memo:

• Alternatively, you can press the [RETURN] button to cancel the shooting date/time modification and return to the initial screen.

• The shooting date/time modification will not be reflected on a title that was dubbed.

• Pressing the [OPTION] button in the playback navigation screen instead of the [INFORMATION CORRECT] button will also display the shooting date/time edit screen.

① **Select the title for which the shooting date/time is to be changed, and press the [OPTION] button**

② **Select "EDIT INFO", and press the [OK] button**
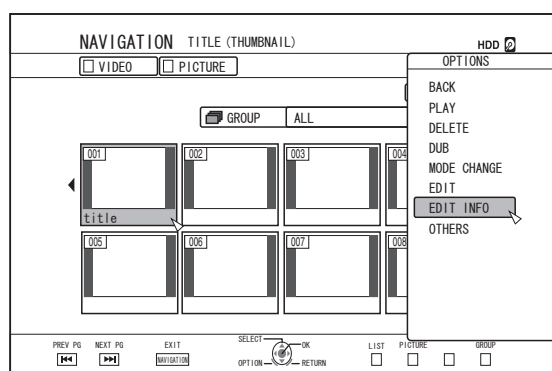
③ **Select "CHANGE SHOOTING DATE/TIME", and press the [OK] button**
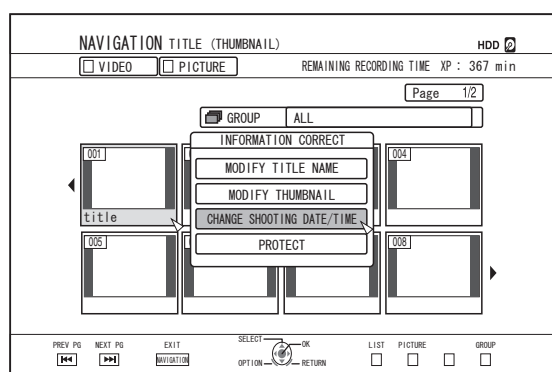
Mode conversion

You can convert HD quality video titles saved on the HDD if they are recorded in the DR, AVC, AF, AN, AL, or AE mode.

Seamless conversion	:	Seamless conversion can be performed to enable smooth playback of joined scenes after dubbing to a BD. (Titles recorded in the DR recording mode ⇨ seamless)
Recording mode conversion	:	Enables conversion of recording mode. (Titles recorded in the DR, AVC, AF, AN, AL, or AE mode ⇨ AF/AN/AL/AE/XP/SP/LP/EP)

Memo:

• As seamless conversion does not re-encode video and audio, there is no deterioration in the image quality.

• Re-encoding is performed during recording mode conversion.

• Only titles that are recorded in the DR mode enable conversion to the XP/SP/LP/EP mode.

• To apply "MODE CHANGE" after turning off the power, select "AFTER POWER OFF" for "START METHOD" under the "MODE CHANGE".

Note:

• When seamless conversion is performed, the chapters (excluding joints of scenes) will be combined. To divide the chapters, insert chapter marks after seamless conversion. For details on dividing the chapters, refer to "Chapter mark insertion (divide chapter)" (☞ page 76) .

1 Press the [NAVIGATION] button on the remote control unit

2 Select a title/group, and press the [OPTION] button

3 Select "MODE CHANGE" from the Option menu, and press the [OK] button

• The "MODE CHANGE" screen appears.
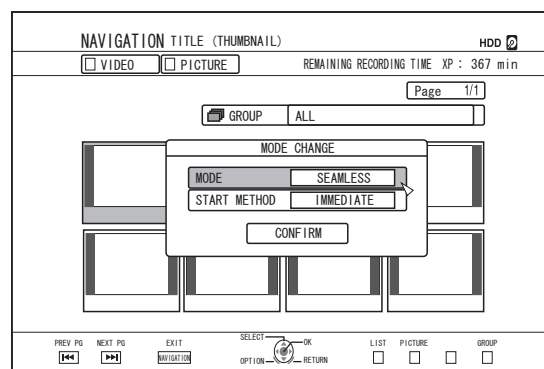
4 Select a recording mode from "MODE", and press the [OK] button

5 Select "CONFIRM", and press the [OK] button

Changing Settings of this Unit

Settings changed in the Settings Menu screen are stored on this unit even when its power is turned off.

Displaying the Settings Menu

1 **Press the [SET UP] button on the remote control unit**

• The Settings Menu screen appears.

Memo:
• When playback is in progress, pressing the button stops it and displays the Settings Menu screen.
• The cursor position appears at the position when the screen was last closed.

Setting Menu List

The following items can be set. Items that cannot be set cannot be selected.

Memo:
• The highlighted value is the default setting.

SETUP
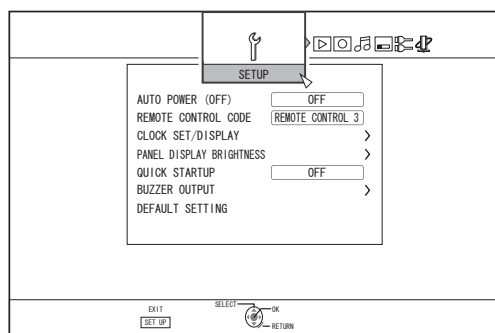
■ AUTO POWER (OFF)

You can specify a time for the power of the unit to turn off automatically when it is not being operated.

Setting Values	Description
OFF	Power does not turn off automatically.
2 HOURS	Turns off power after two hours.
6 HOURS	Turns off power after six hours.

■ REMOTE CONTROL CODE

For remote control units compliant with JVC's products, different remote control codes can be specified for those that are used with this unit.

Setting Values	Description
REMOTE CONTROL 1	Sets remote control code to 1.
REMOTE CONTROL 2	Sets remote control code to 2.
REMOTE CONTROL 3	Sets remote control code to 3.
REMOTE CONTROL 4	Sets remote control code to 4.

■ CLOCK SET/DISPLAY

The current date/time and the display format on the screen can be specified using the "CLOCK SET", "DATE DISPLAY", and "TIME DISPLAY CHOICE" items.

• CLOCK SET

Sets the current date and time.

Memo:
• For details on the setting procedures, refer to "Setting the date/time" (☞ page 23) .

• DATE DISPLAY

For setting the date (year, month, and day) display format.

Setting Values	Description
YEAR.MONTH.DAY	Displays the date in the year/month/day order.
MONTH.DAY.YEAR	Displays the date in the month/day/year order.
DAY.MONTH.YEAR	Displays the date in the day/month/year order.

• TIME DISPLAY CHOICE

For setting the time display format.

Setting Values	Description
12H	Displays the time in AM/PM format.
24H	Displays the time in 24-hour format.

■ DIMMER (POWER ON)

For setting the brightness of the display window when the power is turned "On".

Setting Values	Description
BRIGHT	Bright
DIMMED1	Slightly dim
DIMMED2	Dim
DIMMED3	Dimmer
OFF	Off

Setting Menu List (Continued)

■ QUICK STARTUP

For turning on/off the display window during quick startup and standby mode.

Setting Values	Description
OFF	Starts up in the normal way. Display window turns off during standby mode.
ON	Operation is speedily enabled after turning on the power. (Quick start) Display window turns on during standby mode.

Memo:
- When "QUICK STARTUP" is set to "OFF" for the purposes of environmental care, the display window turns off during standby mode. To turn on the display window during standby mode, set to "ON".
- Setting to "ON" increases power consumption while the unit is in the standby mode.

■ BUZZER OUTPUT

The buzzer setting can be specified as follows.
- REMOTE CONTROL SENSOR TONE

For setting whether to sound the buzzer when the remote control sensor receives signals.

Setting Values	Description
OFF	Buzzer does not sound when the remote control sensor receives signals.
ON	Sounds the buzzer when the remote control sensor receives signals.

- ALERT/WARNING TONE

For setting whether to sound the buzzer when an operation is completed or when a warning message appears.

Setting Values	Description
OFF	Buzzer does not sound.
ON	Sounds the buzzer.

■ DEFAULT SETTING

Restores the setting values on the setting screen to their factory default values.

Setting Values	Description
YES	Restores the factory default values.
NO	Returns to the initial screen without resetting the values.

Memo:
- "BD-VIDEO RATINGS" and "COUNTRY CODE" settings cannot be reset once they have been specified.

PLAYBACK SETTING
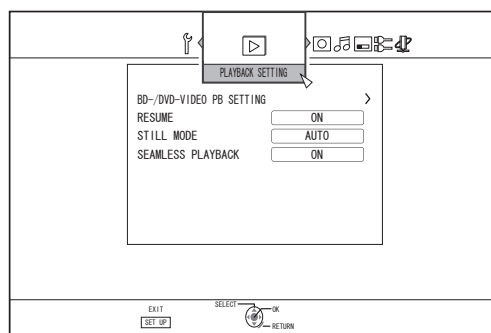
■ BD-/DVD-VIDEO PB SETTING

BD-Video and DVD-Video playback settings can be specified using the "BD-VIDEO RATINGS", "COUNTRY CODE", "AUDIO LANGUAGE", "SUBTITLE LANGUAGE", and "MENU LANGUAGE" items.
- BD-VIDEO RATINGS

For setting the lower age limit for BD-Video ratings.

Setting Values	Description
NO LIMIT	All BD-Videos can be viewed.
254 YEAR(S)-0 YEAR(S)	BD-Videos that are subject to the age limit cannot be viewed.

Memo:
- In order to set the restrictions, password (four-digit number) registration is required.
- The password status becomes unregistered if the restriction setting is disabled. A new password can be registered after setting the age limit again.
- It is recommended that you note down the password in case it is lost or forgotten.

- COUNTRY CODE

For setting the country code.
For details on the country codes, refer to the "Country Code List" (☞ page 106) .

Memo:
- If the "BD-VIDEO RATINGS" setting is specified, you will be required to enter the password registered for the "BD-VIDEO RATINGS" in order to change the "COUNTRY CODE".

- AUDIO LANGUAGE

For setting the audio sound when playing back BD-Videos or DVD-Videos.
For details on the language codes, refer to the "Language Code List" (☞ page 104) .

- SUBTITLE LANGUAGE

For setting the subtitle language when playing back BD-Videos or DVD-Videos.
For details on the language codes, refer to the "Language Code List" (☞ page 104) .

- MENU LANGUAGE

For setting the menu language when playing back BD-Videos or DVD-Videos.
For details on the language codes, refer to the "Language Code List" (☞ page 104) .

■ RESUME

The stop position can be stored when playback of a BD-Video, DVD-Video, BDMV, AVCHD, finalized discs, or SD card is stopped halfway.

Setting Values	Description
OFF	Resume information is not stored.
ON	Stores resume information.

Memo:
- Resume information is stored at all times for other discs as well as the HDD regardless of this setting.
- When a HDD title is selected using Playback Navigation, it is played back from the beginning.
- Some discs do not allow playback from the resume point.

■ STILL MODE

For setting the method for displaying paused images during playback of the HDD or a disc.

Setting Values	Description
AUTO	Automatic control.
FIELD	Use this setting for moving images or when there is blurring in the "AUTO" mode.
FRAME	Use this setting when detailed patterns or designs are not clear in the "AUTO" mode.

Memo:
- This setting is disabled for programs in the DR mode and during playback of AVCHD videos.

■ SEAMLESS PLAYBACK

For setting the method for playing back partially erased scenes.

Setting Values	Description
OFF	Plays back with high accuracy.
ON	Plays back smoothly.

Memo:
- SD picture quality is retained during re-encode dubbing.
- For joints of scenes that are 15 seconds or shorter, seamless playback may fail even when it is set to "ON". The same applies during re-encode dubbing in the SD picture quality.

RECORD
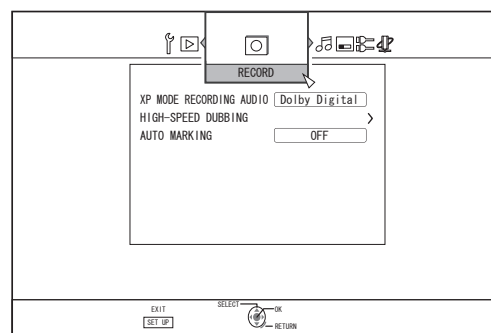
■ XP MODE RECORDING AUDIO

For changing the settings of audio mode during recording in the XP mode.

Setting Values	Description
Dolby Digital	Records in "Dolby Digital".
LPCM	Records in "LPCM".

■ HIGH-SPEED DUBBING

Items under "VIDEO MODE RECORDING ASPECT" and "DISC RECORDING AUDIO" can be set to support high-speed dubbing.

- VIDEO MODE RECORDING ASPECT

For setting the aspect ratio during recording.

Setting Values	Description
AUTO	Performs recording in the aspect ratio setting when recording starts.
4:3	Records at the fixed aspect ratio of 4:3.
16:9	Records at the fixed aspect ratio of 16:9.

Memo:
- High-speed dubbing to a DVD-Video disc cannot be performed when there are different aspect ratios in a title. In this case, fix the aspect ratio to 4:3 or 16:9. This setting remains valid during re-encode dubbing.

For details on high-speed dubbing and re-encode dubbing, refer to the "Dubbing chart" (☞ page 27) .

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Setting Menu List (Continued)

- DISC RECORDING AUDIO

For changing the settings of audio to be recorded to the disc when in the AF, AN, AE or AL mode.

Setting Values	Description
AUTO	Records "Stereo", "Surround" or "Dual broadcast" audio sounds as they are.
FIXED	Records "Stereo" and "Surround" sounds in "Stereo". "Dual broadcast" audio sounds are recorded as they are.

Memo:
- Surround sounds of a title become stereo sounds when re-encode dubbing is performed.

■ AUTO MARKING

During direct recording to a recording media (HDD or optical disc), you can append chapters by adding a mark at a fixed interval of 10 minutes or 1 hour.

Setting Values	Description
OFF	Disables addition of chapters.
10 MINUTES	Adds chapters at 10-minute intervals.
1 HOUR	Adds chapters at 1-hour intervals.

Memo:
- Regardless of whether "AUTO MARKING" is set to "OFF", "10 MINUTES", or "1 HOUR", you can perform manual marking using the Mark button on the remote control. During manual marking, an on-screen message is displayed regardless of the "ON SCREEN GUIDE" setting under "DISPLAY".

AUDIO
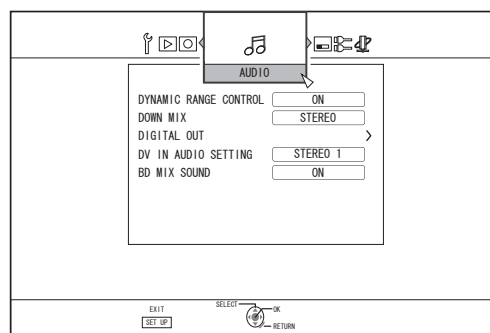
■ DYNAMIC RANGE CONTROL

For setting the dynamic range compression ratio (ratio between the maximum and minimum volume) during Dolby Digital playback.

Setting Values	Description
AUTO	Perform compression only for Dolby TrueHD.
OFF	Not compressed.
ON	Perform maximum compression.

Memo:
- Setting to "OFF" may produce the same effects as the "ON" mode for some discs.
- Performing compression allows even the slightest sound to be heard clearly.
- There may be differences in the effect depending on the disc used.

■ DOWN MIX

For setting whether to output analog audio.

Setting Values	Description
STEREO	Use this setting when connecting an audio amplifier or TV.
DOLBY SURROUND	Use this setting when connecting an amplifier that supports Dolby Surround.

■ DIGITAL OUT

Set this item according to the device connected to the digital audio output terminal (optical digital).

• PCM DOWN SAMPLING

For specifying settings on sampling frequency conversion.

Setting Values	Description
OFF	Sampling frequency is not converted.
ON	Audio recorded at a sampling frequency of 96 kHz or 88.2 kHz is converted to 48 kHz and 44.1 kHz respectively.

Memo:
• Setting to "OFF" may produce the same effects as the "ON" mode for some discs.

• Dolby Digital

For setting audio output to "BITSTREAM" or "PCM".

Setting Values	Description
BITSTREAM	Use this setting when connecting a device that is able to decode "Dolby Digital".
PCM	Audio input will be changed and output as "PCM". Use this setting when connecting a device that is unable to decode "Dolby Digital".

• Dolby Digital Plus/TrueHD

For setting audio output to "BITSTREAM" or "PCM".

Setting Values	Description
BITSTREAM	Use this setting when connecting a device that is able to decode "Dolby Digital Plus/TrueHD".
PCM	Audio input will be changed and output as "PCM". Use this setting when connecting a device that is unable to decode "Dolby Digital Plus/TrueHD".

• DTS

For setting audio output to "BITSTREAM" or "PCM".

Setting Values	Description
BITSTREAM	Use this setting when connecting a device that is able to decode "DTS".
PCM	Audio input will be changed and output as "PCM". Use this setting when connecting a device that is unable to decode "DTS".

• DTS-HD

For setting audio output to "BITSTREAM" or "PCM".

Setting Values	Description
BITSTREAM	Use this setting when connecting a device that is able to decode "DTS-HD".
PCM	Audio input will be changed and output as "PCM". Use this setting when connecting a device that is unable to decode "DTS-HD".

• AAC

For setting audio output to "BITSTREAM" or "PCM".

Setting Values	Description
BITSTREAM	Use this setting when connecting a device that is able to decode "AAC".
PCM	Audio input will be changed and output as "PCM". Use this setting when connecting a device that is unable to decode "AAC".

Memo:
• Audio sound may not be properly played back if the audio equipment in use does not support "BITSTREAM" output. In this case, set to "PCM".

■ DV IN AUDIO SETTING

For changing the audio recording settings during DV input.

Setting Values	Description
STEREO 1	Records the audio sound during video recording (L1, R1).
STEREO 2	Records audio sound that is added later (L2, R2), such as during editing.
MIX	Records "STEREO 1" and "STEREO 2" sounds.

■ BD MIX SOUND

For setting a mixture of BD video secondary audio and operation sounds output.

Setting Values	Description
OFF	Outputs main audio only.
ON	Outputs a mixture of BD video secondary audio and operation sounds during playback of BD-Videos that contain BD video secondary audio and menu operation sounds.

Memo:
• Output is converted to Dolby Digital or DTS according to the main audio when the "DIGITAL OUT" item is set to "BITSTREAM".

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Setting Menu List (Continued)

DISPLAY
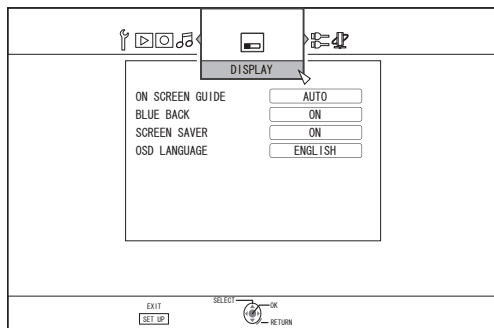
■ ON SCREEN GUIDE

For displaying operation details.

Setting Values	Description
AUTO	Appears for five seconds when an operation is performed.
OFF	Not displayed.

■ BLUE BACK

For setting the screen display when there is no signal input.

Setting Values	Description
OFF	Displays screen as it is.
ON	Switches display to a blue screen.

■ SCREEN SAVER

For setting whether to use a screensaver.

Setting Values	Description
OFF	Screen saver is not used.
ON	Screen saver is used. Switches to the burn-in prevention screen when the unit is not operated for more than five minutes.

■ OSD LANGUAGE

For setting the language for messages displayed on-screen.

CONNECTION
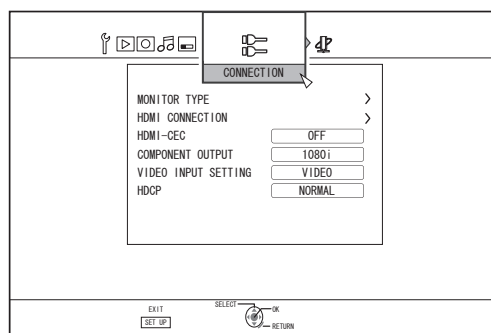
■ MONITOR TYPE

For setting the aspect ratio according to the connected monitor.

Setting Values	Description
16:9	Set to this value when connected to monitors with 16:9 aspect ratio.
16:9FULL	Choose this setting when a 16:9 monitor is connected to display images without the black borders.
4:3 PAN&SCAN	Set to this value when connecting to monitors with an aspect ratio of 4:3. Plays back videos with the left and right edges trimmed off.
4:3 LETTERBOX	Set to this value when connecting to monitors with an aspect ratio of 4:3. Plays back videos with a black band at the upper and lower ends.

■ HDMI CONNECTION

• VIDEO PRIORITY MODE

Setting Values	Description
COMPONENT	Set to this value for output at a resolution of "480p" (NTSC)/"576p" (PAL) or higher from the [COMPONENT VIDEO OUT] terminal.
HDMI	Set to this value when priority is to be given to the "HDMI OUTPUT RESOLUTION" setting.

Memo:
• During data output from the [HDMI] terminal, setting to "COMPONENT" automatically outputs data in the "COMPONENT OUTPUT" setting.
  Setting to "HDMI" outputs data in the "HDMI OUTPUT RESOLUTION" setting.
• During data output from the [HDMI] and [COMPONENT VIDEO OUT] terminals, setting to "COMPONENT" automatically outputs data in the "COMPONENT OUTPUT" setting.
  Setting to "HDMI" outputs data at the "576i" resolution from the [COMPONENT VIDEO OUT] terminal.
• When there is no output from the [HDMI] terminal, data is automatically output from the [COMPONENT VIDEO OUT] terminal in the "COMPONENT OUTPUT" resolution.

- HDMI OUTPUT RESOLUTION

Setting Values	Description
AUTO	Automatically selects an appropriate resolution according to the connected device.
480p (NTSC) 576p (PAL)	Fixes the resolution at 480p or 576p.
1080i	Fixes the resolution at 1080i.
720p	Fixes the resolution at 720p.
1080p	Fixes the resolution at 1080p.

Memo:
- When the resolution is set to "720p", videos are output at "1080i" other than those recorded at "720p" even though "720p" is shown on the display.
- Depending on the conditions (monitor type 4:3, resolution "720p" and above, aspect "16:9"), the on-screen display from the component output may be cut off.
  In this case, set "VIDEO PRIORITY MODE" to "COMPONENT".
  The on-screen display from the [VIDEO OUT]/[S-VIDEO OUT] terminal may be cut off when "VIDEO PRIORITY MODE" is set to "COMPONENT".
  In this case, set "COMPONENT OUTPUT" to "480p" (NTSC)/"576p" (PAL) or below, or set the monitor type to a setting other than "16:9".

- BD-VIDEO 24p OUT

Setting Values	Description
OFF	Outputs in the resolution set by "HDMI OUTPUT RESOLUTION".
ON	Outputs 24p elements at 24p.

Memo:
- 24p playback is possible for commercially available BD-Videos or BDMVs that are recorded in 24p. Content other than BDMVs that is dubbed or recorded on this unit at 24p, as well as 24p content on SD cards are played back at 60p or 60i.
- This is applicable for BD-ROM and DVD-Video titles. This is available when connected to a 24p compatible monitor.
- Elements other than 24p ones are output at 60p (for NTSC) or 50p (for PAL).
- No video images will be output from the [VIDEO OUT], [S-VIDEO OUT] and [COMPONENT VIDEO OUT] terminals when the output resolution from the [HDMI] terminal is at 1080/24p.

- x.v.Color

Setting Values	Description
AUTO	Outputs x.v.Color information with HDMI when video images that include x.v.Color information are played back.
OFF	Does not output x.v.Color information with HDMI when video images that include x.v.Color information are played back.

Memo:
- This is applicable when an x.v.Color compatible monitor is connected.

- Deep Color

Setting Values	Description
AUTO	Set to this value when a "Deep Color" device is connected.
OFF	Set to this value when the video image is distorted, or colors are unnatural.

- HDMI RGB OUTPUT RANGE

Setting Values	Description
STANDARD	Set to this value for standard uses.
ENHANCED	Set to this value when the black and white parts of the video image are not distinct.

Memo:
- This is available when connected to a DVI device that only supports RGB input.

- HDMI --> DVI COLOR

Setting Values	Description
AUTO	Value is set automatically according to the monitor.
RGB FIX	Use this setting when video images are not correctly displayed on the monitor.

Memo:
- This is available when the "x.v.Color" setting is set to "OFF".
  When the "x.v.Color" setting is set to "AUTO", this setting will be set to "AUTO" automatically.
- Change this setting when no video image appears while connected to a DVI device.

- HDMI AUDIO OUTPUT

Setting Values	Description
OFF	Use this setting if you do not want to send audio output from the HDMI cable.
ON	Use this setting to send audio output from the HDMI cable.

■ HDMI-CEC

For setting the HDMI-CEC operation from the connected device.

Setting Values	Description
OFF	Disables HDMI-CEC.
ON	Enables HDMI-CEC.

Setting Menu List (Continued)

■ COMPONENT OUTPUT

For setting the resolution of video output from the [COMPONENT VIDEO OUT] terminal.

Setting Values	Description
480i (NTSC) 576i (PAL)	Sets output to "480i" or "576i".
480p (NTSC) 576p (PAL)	Sets output to "480p" or "576p".
720p	Sets output to "720p".
1080i	Sets output to "1080i".

Memo:
- When the resolution is set to "720p", videos are output at "1080i" other than those recorded at "720p" even though "720p" is shown on the display.
- This unit does not support component output at "1080p". To output at "1080p", do so via HDMI connection.
- If "VIDEO PRIORITY MODE" is set to "HDMI", the unit will output at "480i" or "576i" regardless of the current setting.
- If "VIDEO PRIORITY MODE" is set to "COMPONENT", or when an HDMI connection is used, DVD videos and BDMV will be output at "480p" or "576p" even if "720p" or "1080i" has been set.
- The aspect ratio of video/S-video output changes according to the component output setting. As such, there may be cases where the aspect ratio of the video/S-video output is different from the predefined setting of the content.

■ VIDEO INPUT SETTING

Choose a setting according to the video terminal to be connected when an external analog input terminal is used.

Setting Values	Description
VIDEO	Use this setting when connecting via the video (BNC) terminal.
S-VIDEO	Use this setting when connecting via the S-video (black) terminal.

■ HDCP

For setting the output of copyright-free contents to devices that do not support HDCP.

Setting Values	Description
FIXED	Encrypts copyright-free contents during playback.
AUTO	Does not encrypt copyright-free contents during playback.

Memo:
- If "HDCP" is set to "AUTO" while a device incompatible with HDCP is used, images may appear distorted. Operate as follows if the images are distorted.
  Press and hold the "0" button on the remote control for 5 seconds to set HDCP to "AUTO".

NETWORK SETTING (only for SR-HD1700)
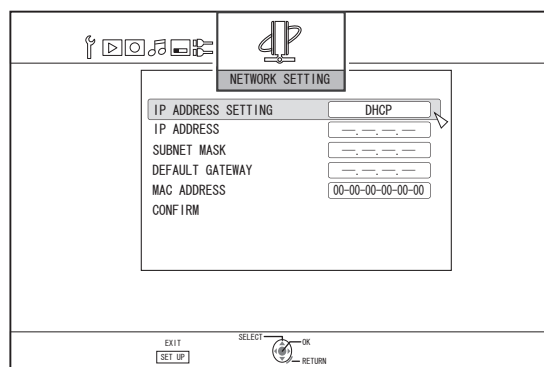
For specifying settings related to the LAN terminal.

■ IP ADDRESS SETTING

For setting whether to obtain the IP address using "DHCP" or to enter it manually using "MANUAL".

Setting Values	Description
DHCP	Obtains information from the DHCP server each time the unit starts up.
MANUAL	For entering the IP address manually.

Memo:
- Upon setting to DHCP, "IP ADDRESS", "SUBNET MASK", and "DEFAULT GATEWAY" are grayed out, and input is disabled.

■ IP ADDRESS

For setting the IP address.

■ SUBNET MASK

For setting the subnet mask.

■ DEFAULT GATEWAY

For setting the default gateway.

■ MAC ADDRESS

Displays the MAC address.

■ CONFIRM

Confirms the network settings that are currently displayed.

Memo:
- The settings are not applied until the confirmation items are selected.
- The default values when "IP ADDRESS SETTING" is set to "MANUAL" are as follows.

  IP ADDRESS : 192.168.100.100
  SUBNET MASK : 255.255.255.0
  DEFAULT GATEWAY : 192.168.100.254

- Perform settings such that the same IP address is not used within the network environment.
- For details, check with the person in charge of setting the network.

Locking the Disc Tray

By turning on the lock for the disc tray, the tray cannot be opened or closed using the [⏏] button.

Memo:
• When the [⏏] button is pressed while the disc tray lock is turned on, a "LOCKED" message will appear on the display window of the unit for about three seconds.

Locking the disc tray

1 **Press the [⏻/l] button on the unit to turn "Off" the power**

2 **Press and hold the [■] button on this unit, then press the [⏏] button**

• A "LOCKED" message appears on the display window of the unit, indicating that the disc tray is locked.
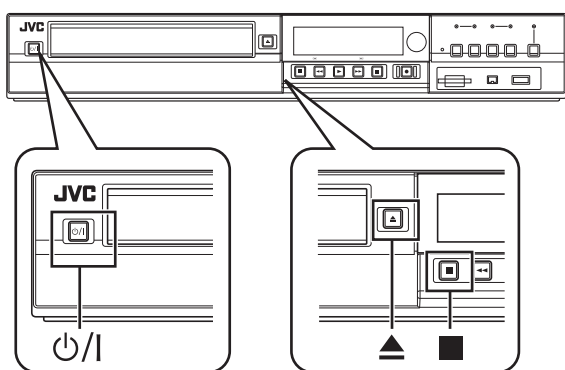
Unlocking the disc tray

1 **Press the [⏻/l] button on the unit to turn "Off" the power**

2 **Press and hold the [■] button on this unit, then press the [⏏] button**

• An "UNLOCK" message appears on the display window of the unit, indicating that the disc tray is unlocked.

Turning on the Mode Lock

Turning on the mode lock disables all operations using the buttons on the unit and remote control, except for "Play" and "Record".

Memo:
• When a button that is disabled is pressed, a "LOCKED" message will appear on the display window of the unit for three seconds.

Turning on the mode lock

1 **Press the [✳] button on the remote control for five seconds or longer when in the "Normal Recording", "Stop", or "Normal Playback" mode**

• A "LOCKED" message appears on the display window of the unit, indicating that the mode lock is turned on.

Press the "✳" button for five seconds or longer
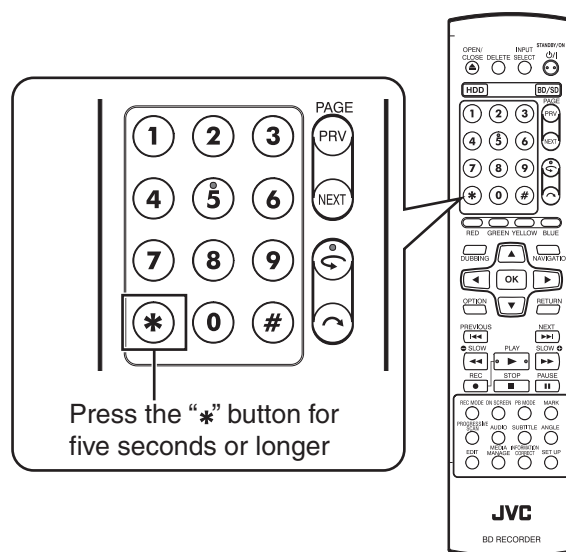
Turning off the mode lock

1 **Press the [✳] button on the remote control for five seconds or longer when the mode lock is turned on**

• An "UNLOCK" message appears on the display window of the unit, indicating that the mode lock is turned off.

Last Function Memory

When the power plug is disconnected from unit or when power failure occurs, your settings for the following functions are kept in the memory. These settings will resume when the unit is turned on again.

• Various setting menus (☞ page 82 - 90)
• Deck selection: HDD/BD/SD
• Recording mode: XP, etc. (☞ page 31)
• Input selection: HDV/DV/L-1 (☞ page 53)
• Repeat playback of the disc playback settings menu (☞ page 63)
  Kept for DVD-Video/AVCHD/BDMV and title/chapter only.

External Control (only for SR-HD1700)

This unit can be controlled using a PC, etc. by connecting them with an RS-232C or LAN cable.

RS-232C Specifications

• Pin layout
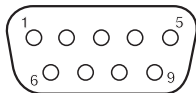
PIN No.	Signal	Operation	Direction of signal
2	TxD	Transmit data	This unit ⇨ PC
3	RxD	Receive data	This unit ⇦ PC
5	GND	Signal grounding	

Mode   : Non-synchronous
Character length : 8 bits
Parity check   : Odd
Start bit   : 1
Stop bit   : 1
Data rate   : 9600 bps

• Bit configuration

| | D0 | D1 | D2 | D3 | D4 | D5 | D6 | D7 | Parity check | |
Starting bit   Stopping bit
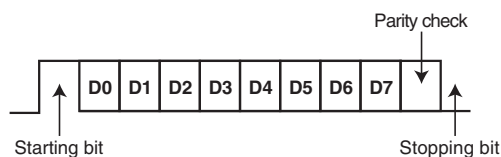
Memo:
• When using the Serial Command Connector, the cable to be used should be an RS-232C interface cable (straight type, 3 m or shorter).
• During command transmission, a minimum interval of 50 ms is required between each command.
• During command transmission, do not send the next command until the ACK (refer to "System Commands" (☞ page 100)) or response (refer to "Response Commands" (☞ page 100)) for each command is received.
• The recommended maximum waiting time for the ACK or response for each command is as follows.

ACK   : About 50 ms
Response   : About 5 seconds

LAN Connection

To use a LAN connection, run the IP settings in "NETWORK SETTING(only for SR-HD1700)" (☞ page 90) .
Connect by specifying 1111 for the port.
During command transmission, a minimum interval of 100 ms is required between each command.

Command Table

Lower Order → Higher Order ↓	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		Complete	Error	Cassette Out		Not Target	Not Ready				ACK	NAK				
1																
2																
3									Play							Stop
4																Still
5							Clear									
6	Sense Chapter	Title Sense														
7																
8	Chapter Search	Title Search													Date Preset	Clock Preset
9	Finalize	Cancel Disc Finalization	Disc Erase	TOP MENU	MEDIA MANAGE	NEXT CHAPTER	PREV CHAPTER	Setup	SET	UP	DOWN	RIGHT	LEFT	Next Title	Prev Title	Remote Data
A	Standby On	Standby Off		Eject								FF	REW	Fwd Field Step	Rev Field Step	
B						Fwd Shtl	Rev Shtl		Select Preset	Select Sense					Date Data Sense	Clock Data Sense
C													Rec			
D								Status Sense	TC Data Sense	CTL Data Sense				JVC Status Sense		
E																
F	Command Target										Rec/Dub Request					

External Control (only for SR-HD1700) (Continued)

Command

■ Operation Commands

Commands for operating functions such as PLAY and REC on the BLU-RAY DISC & HDD RECORDER

Command	Description
3A	Plays the selected deck.
3F	Stops the selected deck. Resume will be cleared when this is pressed while in the Stop mode. Rec Request will be cleared.
4F	Switches the selected deck to the Still mode.
56	Clear: Clears the Error status.
80	Searches the specified chapter and starts playback from the beginning.
81	Searches the specified title under "ORIGINAL" or in the "PLAY LIST" by its number and starts playback from the beginning.
8E	For setting the date.
8F	For setting the time.
90	Finalizes the disc. (BD Deck)
91	Cancels disc finalization. (BD Deck)
92	For erasing rewritable discs.
93	Displays/Closes the top menu of a disc. (BD Deck)
94	Displays/Close the Media Manage Menu. (BD Deck)
95	Advances to the next chapter. Functions like the ►►I button on the remote control.
96	Returns to the previous chapter. Functions like the I◄◄ button on the remote control.
97	Displays/Closes the Main Menu, Editing, Library Database Navigation or Dubbing screen. 97 ⇨ 30: Closes the screen. 97 ⇨ 31: Displays the Main Menu screen. 97 ⇨ 32: Displays the Library Database Navigation screen. 97 ⇨ 35: Displays the Editing screen. 97 ⇨ 37: Displays the Dubbing screen.
98	Functions as a confirmation key.
99	Functions as an up key.
9A	Functions as a down key.
9B	Functions as a right key.
9C	Functions as a left key.
9D	Advances to the next title. Functions like the ►►I button on the remote control.
9E	Returns to the previous title. Functions like the I◄◄ button on the remote control.
9F	Issues the same codes as the wired remote control via RS-232C.
A0	Power On
A1	Power Off
A3	Eject: Opens/Closes tray. (BD Deck)
AB	FF: Functions only during playback. Activates forward search.
AC	REW: Functions only during playback. Activates reverse search.
AD	Functions as a key for advancing (FWD) a frame. When this command is received during still mode, the unit advances the still picture by one frame (or field) in the FWD direction.
AE	Functions as a key for reversing (REV) a frame. When this command is received during still mode, the unit reverses the still picture by one frame (or field) in the REV direction.
B5	Fwd Shtl: Functions only during playback. Activates forward search. B5 ⇨ 30: STILL B5 ⇨ 31: FWD SLOW at the slowest speed B5 ⇨ 32: FWD SLOW at a slow speed B5 ⇨ 33: FWD SLOW at a fast speed B5 ⇨ 34: FWD SLOW at the fastest speed B5 ⇨ 35: 1x B5 ⇨ 36: FWD SEARCH at the slowest speed B5 ⇨ 37: FWD SEARCH at a slow speed B5 ⇨ 38: FWD SEARCH at a fast speed B5 ⇨ 39: FWD SEARCH at a faster speed B5 ⇨ 3A: FWD SEARCH at the fastest speed B5 ⇨ 3B: 1.3x
B6	Rev Shtl: Functions only during playback. Activates reverse search. B6 ⇨ 30: STILL B6 ⇨ 31: REV SLOW at the slowest speed B6 ⇨ 32: REV SLOW at a slow speed B6 ⇨ 33: REV SLOW at a fast speed B6 ⇨ 34: REV SLOW at the fastest speed B6 ⇨ 36: REV SEARCH at the slowest speed B6 ⇨ 37: REV SEARCH at a slow speed B6 ⇨ 38: REV SEARCH at a fast speed B6 ⇨ 39: REV SEARCH at a faster speed B6 ⇨ 3A: REV SEARCH at the fastest speed
B8	For setting the input/output, recording mode, audio language selection and subtitle selection.

CA	Rec: Starts recording at the selected deck when a Rec Request is received.
F0	Command Target: F0 ⇨ 34: For selecting HDD deck. F0 ⇨ 38: For selecting BD deck. F0 ⇨ 3C: For selecting SD deck.
FA	Rec/Dub Request: For issuing approval for recording. This can be cleared using "Stop".

80-8F

80： Chapter Search

	1st Byte	2nd Byte	3rd Byte
Chapter Search	Hundreds	Tens	Ones
ASCII codes (30 - 39)	3*	3*	3*
E.g. (012)	30	31	32

E.g.： When searching the 12th chapter.

81： Title Search under "ORIGINAL"

	1st Byte	2nd Byte	3rd Byte	4th Byte
Title Search (ORIGINAL)	30	Hundreds	Tens	Ones
ASCII codes (30 - 39)	30	3*	3*	3*
E.g. (345)	30	33	34	35

E.g.： When searching the 345th title, as indicated by the title number on the top right corner of the index, under "ORIGINAL".

81： Title Search in "PLAY LIST"

	1st Byte	2nd Byte	3rd Byte	4th Byte
Title Search (PLAY LIST)	38	Hundreds	Tens	Ones
ASCII codes (30 - 39)	38	3*	3*	3*
E.g. (028)	38	30	32	38

E.g.： When searching the 28th play list, as indicated by the play list number on the top right corner of the index, in the "PLAY LIST".

8E： Date Preset

	1st Byte	2nd Byte	3rd Byte	4th Byte	5th Byte	6th Byte
Date Preset	Mth (Tens)	Mth (Ones)	Day (Tens)	Day (Ones)	Yr (Tens)	Yr (Ones)
ASCII codes (30 - 39)	3*	3*	3*	3*	3*	3*
E.g. (09.14.2012)	30	39	31	34	31	32

E.g.： When setting the date to September 14 2012.

8F： Clock Preset

	1st Byte	2nd Byte	3rd Byte	4th Byte	5th Byte	6th Byte
Clock Preset	Hr (Tens)	Hr (Ones)	Min (Tens)	Min (Ones)	Sec (Tens)	Sec (Ones)
ASCII codes (30 - 39)	3*	3*	3*	3*	3*	3*
E.g. (12:34:56)	31	32	33	34	35	36

E.g.： When setting the time to 12 hrs 34 min and 56 sec.

External Control (only for SR-HD1700) (Continued)

9F

9F : Remote Data

The remote control codes for controlling the wired remote controller via RS-232C is as shown in the following table. The codes apply to all three HDD, BD and SD deck unless otherwise stated.

Code	Items	Remarks
01	INPUT SELECT	
03	STOP	
06	F.F/SPEED+	
07	REW/SPEED-	
0B	POWER ON/OFF	
0C	PLAY	
0D	PAUSE/STILL	
14	FWD SKIP	
15	REV SKIP	
17	AUDIO	
1A	Power Off	
1D	Power On	
21	TEN KEY 1	
22	TEN KEY 2	
23	TEN KEY 3	
24	TEN KEY 4	
25	TEN KEY 5	
26	TEN KEY 6	
27	TEN KEY 7	
28	TEN KEY 8	
29	TEN KEY 9	
2A	KEY ✳	
2B	TEN KEY 0	
2C	KEY #	
31	REC MODE (XP/SP/LP/EP…)	
32	BD/DVD DECK	
34	DUBBING	
37	SET UP	
3C	OK/ENTER	
3E	ON SCREEN	
44	HDD DECK	
48	MEDIA MANAGEMENT	

Code	Items	Remarks
80	CURSOR 0°	Moves the arrow in the index list to the right. (▶)
81	MENU	BD/DVD Deck only
82	CURSOR 90°	Moves the arrow in the index list to the up. (▲)
84	CURSOR 180°	Moves the arrow in the index list to the left. (◀)
86	CURSOR 270°	Moves the arrow in the index list to the down. (▼)
87	OPEN/CLOSE	BD/DVD Deck only
8E	PROGRESSIVE	HDD/BD Deck only
8F	TOP MENU	DVD Deck only
90	MARK	HDD/DVD Deck only
96	CM SKIP	
AF	REV FRAME	
B0	-SLOW D	
B1	SHUTTLE-C	
B2	SHUTTLE-B	
B3	SHUTTLE-A	
B4	SHUTTLE-2	
B5	SHUTTLE-1	
B6	-SLOW B	
B7	-SLOW C	
B8	+SLOW C	
B9	+SLOW B	
BA	SHUTTLE +1	
BB	SHUTTLE +2	
BC	SHUTTLE +A	
BD	SHUTTLE +B	
BE	SHUTTLE +C	
BF	+SLOW D	
C0	ANGLE/LIVE CHECK	ANGLE (BD/DVD Deck only) LIVE CHECK (HDD/BD Deck only)
C4	SUBTITLE	DVD Deck only

CC	REC	
D3	OPTION	
D4	RETURN	
D5	COLOR KEY BLUE	
D7	COLOR KEY RED	
D9	JOG -1/6	
DA	JOG +1/6	
DB	JOG +1	
DC	INSTANT REPLAY	
DD	EDIT	
DE	COLOR KEY GREEN	
DF	COLOR KEY YELLOW	

E0	NAVIGATION	
E1	L-1 Y/C INPUT SELECT	HDD Deck only
E2	L-1 COMPOSITE INPUT SELECT	HDD Deck only
E3	PLAYBACK SETTING	
E4	DELETE	
E5	INFORMATION CORRECT	
ED	FWD FRAME	
F2	MODE LOCK	
F3	HDCP AUTO	

B8

B8 : Input/Output Selection

		1st Byte	2nd Byte
External input selection	L-1 VIDEO	30	31
External input selection	L-1 S-VIDEO	30	39
External input selection	DV	30	34

B8 : Recording Mode Selection

	1st Byte	2nd Byte
XP	34	30
SP	34	31
LP	34	32
EP	34	33
DR	34	3A
AF	34	3B
AN	34	3C
AL	34	3D
AE	34	3E

External Control (only for SR-HD1700) (Continued)

Subtitle Selection

B8 : Subtitle Selection

	1st Byte	2nd Byte		1st Byte	2nd Byte		1st Byte	2nd Byte		1st Byte	2nd Byte
OFF	3C	10	EL	3C	31	LO	3C	56	SL	3C	78
JAPANESE	3C	11	EO	3C	32	LT	3C	57	SM	3C	79
ENGLISH	3C	12	ET	3C	33	LV	3C	58	SN	3C	7A
GERMAN	3C	13	EU	3C	34	MG	3C	59	SO	3C	7B
FRENCH	3C	14	FA	3C	35	MI	3C	5A	SQ	3C	7C
ITALIAN	3C	15	FJ	3C	36	MK	3C	5B	SR	3C	7D
SPANISH	3C	16	FO	3C	37	ML	3C	5C	SS	3C	7E
DUTCH	3C	17	FY	3C	38	MN	3C	5D	ST	3C	7F
SWEDISH	3C	18	GA	3C	39	MO	3C	5E	SU	3C	80
NORWEGIAN	3C	19	GD	3C	3A	MR	3C	5F	SW	3C	81
FINNISH	3C	1A	GL	3C	3B	MS	3C	60	TA	3C	82
DANISH	3C	1B	GN	3C	3C	MT	3C	61	TE	3C	83
AA	3C	1C	GU	3C	3D	MY	3C	62	TG	3C	84
AB	3C	1D	HA	3C	3E	NA	3C	63	TH	3C	85
AF	3C	1E	HI	3C	3F	NE	3C	64	TI	3C	86
AM	3C	1F	HR	3C	40	OC	3C	65	TK	3C	87
AR	3C	20	HU	3C	41	OM	3C	66	TL	3C	88
AS	3C	21	HY	3C	42	OR	3C	67	TN	3C	89
AY	3C	22	IA	3C	43	PA	3C	68	TO	3C	8A
AZ	3C	23	IE	3C	44	PL	3C	69	TR	3C	8B
BA	3C	24	IK	3C	45	PS	3C	6A	TS	3C	8C
BE	3C	25	IS	3C	47	PT	3C	6B	TT	3C	8D
BG	3C	26	KA	3C	4B	QU	3C	6C	TW	3C	8E
BH	3C	27	KK	3C	4C	RM	3C	6D	UK	3C	8F
BI	3C	28	KL	3C	4D	RN	3C	6E	UR	3C	90
BN	3C	29	KM	3C	4E	RO	3C	6F	UZ	3C	91
BO	3C	2A	KN	3C	4F	RU	3C	70	VI	3C	92
BR	3C	2B	KO	3C	50	RW	3C	71	VO	3C	93
CA	3C	2C	KS	3C	51	SA	3C	72	WO	3C	94
CO	3C	2D	KU	3C	52	SD	3C	73	XH	3C	95
CS	3C	2E	KY	3C	53	SG	3C	74	YO	3C	96
CY	3C	2F	LA	3C	54	SI	3C	76	ZH	3C	97
DZ	3C	30	LN	3C	55	SK	3C	77	ZU	3C	98

"Language Code List" (☞ page 104)

Audio Language Selection

B8 : Audio Language Selection

	1st Byte	2nd Byte		1st Byte	2nd Byte		1st Byte	2nd Byte		1st Byte	2nd Byte
JAPANESE	39	11	EO	39	32	LT	39	57	SM	39	79
ENGLISH	39	12	ET	39	33	LV	39	58	SN	39	7A
GERMAN	39	13	EU	39	34	MG	39	59	SO	39	7B
FRENCH	39	14	FA	39	35	MI	39	5A	SQ	39	7C
ITALIAN	39	15	FJ	39	36	MK	39	5B	SR	39	7D
SPANISH	39	16	FO	39	37	ML	39	5C	SS	39	7E
DUTCH	39	17	FY	39	38	MN	39	5D	ST	39	7F
SWEDISH	39	18	GA	39	39	MO	39	5E	SU	39	80
NORWEGIAN	39	19	GD	39	3A	MR	39	5F	SW	39	81
FINNISH	39	1A	GL	39	3B	MS	39	60	TA	39	82
DANISH	39	1B	GN	39	3C	MT	39	61	TE	39	83
AA	39	1C	GU	39	3D	MY	39	62	TG	39	84
AB	39	1D	HA	39	3E	NA	39	63	TH	39	85
AF	39	1E	HI	39	3F	NE	39	64	TI	39	86
AM	39	1F	HR	39	40	OC	39	65	TK	39	87
AR	39	20	HU	39	41	OM	39	66	TL	39	88
AS	39	21	HY	39	42	OR	39	67	TN	39	89
AY	39	22	IA	39	43	PA	39	68	TO	39	8A
AZ	39	23	IE	39	44	PL	39	69	TR	39	8B
BA	39	24	IK	39	45	PS	39	6A	TS	39	8C
BE	39	25	IS	39	47	PT	39	6B	TT	39	8D
BG	39	26	KA	39	4B	QU	39	6C	TW	39	8E
BH	39	27	KK	39	4C	RM	39	6D	UK	39	8F
BI	39	28	KL	39	4D	RN	39	6E	UR	39	90
BN	39	29	KM	39	4E	RO	39	6F	UZ	39	91
BO	39	2A	KN	39	4F	RU	39	70	VI	39	92
BR	39	2B	KO	39	50	RW	39	71	VO	39	93
CA	39	2C	KS	39	51	SA	39	72	WO	39	94
CO	39	2D	KU	39	52	SD	39	73	XH	39	95
CS	39	2E	KY	39	53	SG	39	74	YO	39	96
CY	39	2F	LA	39	54	SI	39	76	ZH	39	97
DZ	39	30	LN	39	55	SK	39	77	ZU	39	98
EL	39	31	LO	39	56	SL	39	78			

"Language Code List" (☞ page 104)

External Control (only for SR-HD1700) (Continued)

Response Commands

RS-232C commands send from the deck.

Command	Description
01	Complete: Issued by the external recorder upon completing all specified operations by commands.
02	Error: Issued by the external recorder when receiving invalid commands in the context. In such cases, commands that are sent will not be accepted. However, a return command will be issued but only to the Status Sense. To clear the Error status, perform command 56 (Clear).
05	Not Target: Issued by the external recorder when specified operations by commands cannot be completed properly.
06	Not Ready: This command is returned when the command request cannot be executed due to the following conditions. • Power is OFF • Sending of control command is forbidden
0A	ACK: A return command issued when a defined command is received.
0B	NAK: A return command issued when an undefined or possibly nonexistent command is received.
03	Cassette Out: Issued upon completing the operation of opening and closing the tray when the HDD/DVD deck is selected.

System Commands
Commands for acquiring information such as deck status.

Command	Description
60	Chapter Sense: For acquiring the current chapter number. (*)
61	Title/Track Sense: For acquiring the current title number under "ORIGINAL" or in the "PLAY LIST". (*)
B9	Select Sense: For acquiring the status of the inputs, outputs, recording mode, audio language selection and subtitle selection. (*)
BE	Date Sense: For acquiring the currently configured year, month and day. (*)
BF	Time Sense: For acquiring the currently configured hour, minute and second. (*)
D7	Status Sense: For acquiring the deck information. (*)
D8	TC Data Sense: For acquiring the total remaining time in the current recording mode when there is a media in the selected deck. (*)
D9	CTL Data Sense: For acquiring the lapse counter when there is a media in the selected deck. (*)
DD	JVC Status Sense: Returns data from the unit. (*)
FB	VTR Ind: A command for checking whether the connected device is the external recorder.

(*) : See ☞ pages 100-103 for data format.

Sense

• Chapter Sense

	1st Byte	2nd Byte	3rd Byte
Chapter Sense	Hundreds	Tens	Ones
60	3*	3*	3*
E.g. (012)	30	31	32

E.g. : When the current chapter is the 12th chapter.

- Title/Track Sense under "ORIGINAL"

	1st Byte	2nd Byte	3rd Byte	4th Byte
Title/Track Sense (ORIGINAL)	30	Hundreds	Tens	Ones
61	30	3*	3*	3*
E.g. (345)	30	33	34	35

E.g. : When the current title under "ORIGINAL" is the 345th title.

- Title/Track Sense in "PLAY LIST"

	1st Byte	2nd Byte	3rd Byte	4th Byte
Title/Track Sense (PLAY LIST)	38	Hundreds	Tens	Ones
61	38	3*	3*	3*
E.g. (028)	38	30	32	38

E.g. : When the current title under "PLAY LIST" is the 28th title.

- Select Sense

	1st Byte	2nd Byte	3rd Byte	4th Byte	5th Byte
Select Sense	External input selection	Output selection	Recording mode selection	Audio language selection	Subtitle selection
B9	3*	3*	**	**	**
E.g. (3930311213)	39	30	31	12	13

E.g. : When the selection status of the video deck is as follows:

External input selection ⇨ L-1 S-VIDEO
Output selection ⇨ Common output (Frame is fixed at 0.)
Recording mode selection ⇨ SP
Audio language selection ⇨ ENGLISH
Subtitle selection ⇨ GERMAN
For response data for B9, see data format for "B8 (Select Preset)" (☞ page 97-99).
When the current status cannot be acquired, the value is fixed as "-" (0x2D).

- Date Data Sense

For acquiring the currently configured year, month and day in ASCII codes.

	1st Byte	2nd Byte	3rd Byte	4th Byte	5th Byte	6th Byte
Date Sense	Mth (Tens)	Mth (Ones)	Day (Tens)	Day (Ones)	Yr (Tens)	Yr (Ones)
BE	3*	3*	3*	3*	3*	3*
E.g. (09.14.2012)	30	39	31	34	31	32

When the current date is not set, the value is fixed as "-" (0x2D).

- Time Data Sense

For acquiring the currently configured hour, minute and second in ASCII codes.

	1st Byte	2nd Byte	3rd Byte	4th Byte	5th Byte	6th Byte
Time Sense	Hr (Tens)	Hr (Ones)	Min (Tens)	Min (Ones)	Sec (Tens)	Sec (Ones)
BF	3*	3*	3*	3*	3*	3*
E.g. (12:34:56)	31	32	33	34	35	36

When the current time is not set, the value is fixed as "-" (0x2D).

External Control (only for SR-HD1700) (Continued)

• Status Data Sense

For acquiring the remaining time in the current recording mode in hours, minutes and seconds for HDD/BD/SD.

D7 STATUS SENSE	1st Byte	1st Byte	1st Byte	2nd Byte	3rd Byte	4th Byte	5th Byte
	HDD	BD	SD	HDD/BD/SD	HDD/BD/SD	HDD/BD/SD	HDD/BD/SD
bit7	1 (Fixed)	1 (Fixed)	1 (Fixed)	Video EE	0 (Fixed)	During PLAY	During PAUSE (Set to 1 simultaneously with "During PLAY" in STILL mode. Set to 1 simultaneously with "During REC" in record pause mode.)
bit6	0 (Fixed)	1 (Fixed)	1 (Fixed)	Audio EE	0 (Fixed)	0 (Fixed)	0 (Fixed)
bit5	0 (Fixed)	0 (Fixed)	1 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)	During Reverse Shuttle Search (Excluding STILL)
bit4	Record Forbidden	Record Forbidden	1 (Fixed)	0 (Fixed)	0 (Fixed)	During STOP	During Forward Shuttle Search (Excluding STILL)
bit3	Disc Not Inserted	Disc Not Inserted	Disc Not Inserted	Occurrence of abnormality in VTR	0 (Fixed)	During STANDBY (Unit Power Off)	Refer to the SEARCH SPEED table.
bit2	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)	During Repeat Playback (Including PAUSE)	0 (Fixed)	Refer to the SEARCH SPEED table.
bit1	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)	During REC	Refer to the SEARCH SPEED table.
bit0	RS-232C command error status. Clear using 56 (Clear).	RS-232C command error status. Clear using 56 (Clear).	RS-232C command error status. Clear using 56 (Clear).	0 (Fixed)	0 (Fixed)	0 (Fixed)	Refer to the SEARCH SPEED table.

• TC Data Sense

	1st Byte	2nd Byte	3rd Byte	4th Byte	5th Byte	6th Byte	7th Byte	8th Byte
TC Data Sense	Hr (Tens)	Hr (Ones)	Min (Tens)	Min (Ones)	Sec (Tens)	Sec (Ones)	Frame (Tens)	Frame (Ones)
D8	3*	3*	3*	3*	3*	3*	3*	3*
E.g. (01:23:45)	30	31	32	33	34	35	30	30

E.g. : When remaining time for the current recording mode of the selected deck is 1 hr 23 min 45 sec.

Frame is fixed as 0.

- SEARCH SPEED

	bit3	bit2	bit1	bit0
STILL	0	0	0	0
x1	0	1	0	1
x1.3	1	0	1	0
SLOW1	0	0	0	1
SLOW2	0	0	1	0
SLOW3	0	0	1	1
SLOW4	0	1	0	0
SEARCH1	0	1	1	0
SEARCH2	0	1	1	1
SEARCH3	1	0	0	0
SEARCH4	1	0	0	1
SEARCH5	1	0	0	1

- CTL Data Sense

For acquiring lapse counter of selected deck in hours, minutes and seconds.

	1st Byte	2nd Byte	3rd Byte	4th Byte	5th Byte	6th Byte	7th Byte	8th Byte
CTL Data Sense	Hr (Tens)	Hr (Ones)	Min (Tens)	Min (Ones)	Sec (Tens)	Sec (Ones)	Frame (Tens)	Frame (Ones)
D9	3*	3*	3*	3*	3*	3*	3*	3*
E.g. (01:23:45)	30	31	32	33	34	35	30	30

E.g. : When time lapse counter is 1 hr 23 min 45 sec.

Frame is fixed as 0.

- JVC Status Sense

	1st Byte	2nd Byte	3rd Byte	4th Byte
	HDD/BD/SD	HDD/BD/SD	HDD/BD/SD	HDD/BD/SD
bit7	1 (Fixed)	0 (Fixed)	1 (Fixed)	1 (Fixed)
bit6	0 (Fixed)	0 (Fixed)	0 (Fixed)	1 (Fixed)
bit5	0 (Fixed)	1 (Fixed)	0 (Fixed)	0 (Fixed)
bit4	0 (Fixed)	0 (Fixed)	0 (Fixed)	0 (Fixed)
bit3	0 (Fixed)	Refer to the DISC TYPE table below.	0 (Fixed)	During dubbing (Including PAUSE)
bit2	0 (Fixed)	Refer to the DISC TYPE table below.	0 (Fixed)	0 (Fixed)
bit1	0 (Fixed)	Refer to the DISC TYPE table below.	0 (Fixed)	0 (Fixed)
bit0	1 (Fixed)	Refer to the DISC TYPE table below.	During dubbing (Including PAUSE)	0 (Fixed)

- DISC TYPE

	bit3	bit2	bit1	bit0		bit3	bit2	bit1	bit0
DVD	0	0	0	0	CD	0	1	1	1
DVD-RAM	0	0	0	1	BD-ROM	1	0	0	0
DVD-R	0	0	1	0	BD-R	1	0	0	1
DVD-RW	0	0	1	1	BD-RE	1	0	1	0
DVD+R	0	0	0	0	No disc	1	1	1	1
DVD+RW	0	0	0	0	Unknown	1	1	1	0

When SD deck is selected, the values are fixed as bit3:0, bit2:0, bit1:1 and bit0:0.

Language Code List

Code	Language	Code	Language	Code	Language
AA	Afar	HI	Hindi	OS	Ossetian
AB	Abkhazian	HO	Hiri Motu	PA	Panjabi
AF	Afrikaans	HU	Hungarian	FA	Persian
AK	Akan	IG	Igbo	PI	Pali
SQ	Albanian	IS	Icelandic	PL	Polish
AM	Amharic	IO	Ido	PT	Portuguese
AR	Arabic	II	Sichuan Yi	PS	Pashto
AN	Aragonese	IU	Inuktitut	QU	Quechua
HY	Armenian	IE	Interlingue	RM	Rhaeto-Romance
AS	Assamese	IA	Interlingua (International Auxiliary language Association)	RO	Romanian
AV	Avar	ID	Indonesian	RN	Kirundi
AE	Avestan	IK	Inupiak	RU	Russian
AY	Aymara	IT	Italian	SG	Sango
AZ	Azerbaijani	JV	Javanese	SA	Sanskrit
BA	Bashkir	JA	Japanese	SR	Serbia
BM	Bambara	KL	Kalaallisut	HR	Croatian
EU	Basque	KN	Kannada	SI	Sinhala
BE	Belarusian	KS	Kashmiri	SK	Slovak
BN	Bengali	KR	Kanuri	SL	Slovenian
BH	Bihari	KK	Kazakh	SE	Northern Sami
BI	Bislama	KM	Khmer	SM	Samoan
BS	Bosnian	KI	Kikuyu	SN	Shona
BR	Breton	RW	Kinyarwanda	SD	Sindhi
BG	Bulgarian	KY	Kirghiz	SO	Somali
MY	Burmese	KV	Komi	ST	Southern Sotho
CA	Catalan, Valencian	KG	Kongo	ES	Spanish
CH	Chamorro	KO	Korean	SC	Sardinian
CE	Chechen	KJ	Kwanyama	SS	Swati
ZH	Chinese	KU	Kurukh	SU	Sundanese
CU	Church Slavic	LO	Lao	SW	Swahili
CV	Chuvash	LA	Latin	SV	Swedish
KW	Cornish	LV	Latvian	TY	Tahitian
CO	Corsican	LI	Limburgish	TA	Tamil
CR	Cree	LN	Lingala	TT	Tatar
CS	Czech	LT	Lithuanian	TE	Telugu
DA	Danish	LB	Luxembourgish	TG	Tajik

DV	Divehi	LU	Luba-Katanga	TL	Tagalog
NL	Dutch	LG	Ganda	TH	Thai
DZ	Dzongkha	MK	Macedonian	BO	Tibetan
EN	English	MH	Marshallese	TI	Tigrinya
EO	Esperanto	ML	Malayalam	TO	Tongan
ET	Estonian	MI	Māori	TN	Tswana
EE	Ewe	MR	Marathi	TS	Tsonga
FO	Faroese	MS	Malay	TK	Turkmen
FJ	Fijian	MG	Malagasy	TR	Turkish
FI	Finnish	MT	Maltese	TW	Twi
FR	French	MO	Moldavian	UG	Uighur
FY	Western Frisian	MN	Mongolian	UK	Ukrainian
FF	Fulah	NA	Nauruan	UR	Urdu
KA	Georgian	NV	Navajo	UZ	Uzbek
DE	German	NR	South Ndebele	VE	Venda
GD	Scottish Gaelic	ND	North Ndebele	VI	Vietnamese
GA	Irish	NG	Ndonga	VO	Volapük
GL	Galician	NE	Nepali	CY	Welsh
GV	Manx	NN	Norwegian Nynorsk	WA	Walloon
EL	Greek	NB	Norwegian Bokmål	WO	Wolof
GN	Guaraní	NO	Norwegian	XH	Xhosa
GU	Gujarati	NY	Chichewa	YI	Yiddish
HT	Haitian	OC	Occitan	YO	Yoruba
HA	Hausa	OJ	Ojibwa	ZA	Zhuang
HE	Hebrew	OR	Oriya	ZU	Zulu
HZ	Herero	OM	Oromo		

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Others

Country Code List

Code	Country Name	Code	Country Name	Code	Country Name
AD	Andorra	GM	Gambia	NU	Niue
AE	United Arab Emirates	GN	Guinea	NZ	New Zealand
AF	Afghanistan	GP	Guadeloupe	OM	Oman
AG	Antigua and Barbuda	GQ	Equatorial Guinea	PA	Panama
AI	Anguilla	GR	Greece	PE	Peru
AL	Albania	GS	South Georgia and South Sandwich Islands	PF	Polynesia
AM	Armenia	GT	Guatemala	PG	Papua New Guinea
AN	Netherlands Antilles	GU	Guam	PH	Philippines
AO	Angola	GW	Guinea-Bissau	PK	Pakistan
AQ	Antarctica	GY	Guyana	PL	Poland
AR	Argentina	HK	Hong Kong	PM	Saint Pierre and Miquelon
AS	American Samoa	HM	Heard and McDonald Islands	PN	Pitcairn Islands
AT	Austria	HN	Honduras	PR	Puerto Rico
AU	Australia	HR	Croatia	PT	Portugal
AW	Aruba	HT	Haiti	PW	Palau
AZ	Azerbaijan	HU	Hungary	PY	Paraguay
BA	Bosnia and Herzegovina	ID	Indonesia	QA	Qatar
BB	Barbados	IE	Ireland	RE	Reunon Island
BD	Bangladesh	IL	Israel	RO	Romania
BE	Belgium	IN	India	RU	Russian Federation
BF	Burkina Faso	IO	British Indian Ocean Territory	RW	Rwanda
BG	Bulgaria	IQ	Iraq	SA	Saudi Arabia
BH	Bahrain	IR	Iran	SB	Solomon Islands
BI	Burundi	IS	Iceland	SC	Seychelles
BJ	Benin	IT	Italy	SD	Sudan
BM	Bermuda	JM	Jamaica	SE	Sweden
BN	Brunei	JO	Jordan	SG	Singapore
BO	Bolivia	JP	Japan	SH	Saint Helena
BR	Brazil	KE	Kenya	SI	Slovenia
BS	Bahamas	KG	Kyrgyzstan	SJ	Svalbard and Jan Mayen Islands
BT	Bhutan	KH	Cambodia	SK	Slovakia
BV	Bouvet Island	KI	Kiribati	SL	Sierra Leone
BW	Botswana	KM	Comoros	SM	San Marino
BY	Belarus	KN	Saint Kitts and Nevis	SN	Senegal
BZ	Belize	KP	Korea, Democratic People's Republic of	SO	Somalia
CA	Canada	KR	Korea, Republic of	SR	Suriname
CC	Cocos Islands	KW	Kuwait	ST	Sao Tome and Principe
CF	Central African Republic	KY	Cayman Islands	SV	El Salvador
CG	Congo, Republic of	KZ	Kazakhstan	SY	Syria
CH	Switzerland	LA	Laos	SZ	Swaziland
CI	Cote d'Ivoire	LB	Lebanon	TC	Turks and Caicos Islands

CK	Cook Islands	LC	Saint Lucia	TD	Chad
CL	Chile	LI	Liechtenstein	TF	French Southern Territories
CM	Cameroon	LK	Sri Lanka	TG	Togo
CN	China	LR	Liberia	TH	Thailand
CO	Colombia	LS	Lesotho	TJ	Tajikistan
CR	Costa Rica	LT	Lithuania	TK	Tokelau
CU	Cuba	LU	Luxembourg	TM	Turkmenistan
CV	Cape Verde	LV	Latvia	TN	Tunisia
CX	Christmas Island	LY	Libya	TO	Tonga
CY	Cyprus	MA	Morocco	TP	East Timor
CZ	Czech Republic	MC	Monaco	TR	Turkey
DE	Germany	MD	Moldova	TT	Trinidad and Tobago
DJ	Djibouti	MG	Madagascar	TV	Tuvalu
DK	Denmark	MH	Marshall Islands	TW	Taiwan
DM	Dominica, Commonwealth of	ML	Mali	TZ	Tanzania
DO	Dominican Republic	MM	Myanmar	UA	Ukraine
DZ	Algeria	MN	Mongolia	UG	Uganda
EC	Ecuador	MO	Macau	UM	Minor Outlying Islands
EE	Estonia	MP	Northern Mariana Islands	US	United States
EG	Egypt	MQ	Martinique	UY	Uruguay
EH	Western Sahara	MR	Mauritania	UZ	Uzbekistan
ER	Eritrea	MS	Montserrat	VA	Vatican
ES	Spain	MT	Malta	VC	Saint Vincent and the Grenadine
ET	Ethiopia	MU	Mauritius	VE	Venezuela
FI	Finland	MV	Maldives	VG	British Virgin Islands
FJ	Fiji	MW	Malawi	VI	Virgin Islands of the United States
FK	Falkland Islands (Malvinas)	MX	Mexico	VN	Vietnam
FM	Micronesia (Federated States of)	MY	Malaysia	VU	Vanuatu
FO	Faroe Islands	MZ	Mozambique	WF	Wallis and Futuna
FR	France	NA	Namibia	WS	Samoa
FX	France, Metropolitan	NC	New Caledonia	YE	Yemen
GA	Gabon	NE	Niger	YT	Mayotte
GB	United Kingdom of Great Britain and Northern Ireland	NF	Norfolk Island	YU	Yugoslavia
GD	Grenada	NG	Nigeria	ZA	South Africa
GE	Georgia	NI	Nicaragua	ZM	Zambia
GF	French Guiana	NL	Netherlands	ZR	Zaire
GH	Ghana	NO	Norway	ZW	Zimbabwe
GI	Gibraltar	NP	Nepal		
GL	Greenland	NR	Nauru		

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Using the HDMI Consumer Electronics Control (HDMI CEC)

HDMI Consumer Electronics Control

- By using an HDMI cable to connect this unit with a TV that supports the HDMI CEC standard, this unit and the TV can be linked and operated together.
- HDMI CEC (Consumer Electronics Control) is an industrial standard that allows HDMI devices to be linked and operated among each other by connecting them with an HDMI cable.

HDMI Consumer Electronics Control operations

- Perform the following operations when this unit is turned on, and the TV will switch automatically to the HDMI input that this unit is connected to.
  - Playback from HDD, BD/DVD or SD CARD
  - Press the [NAVIGATION] or [SET UP] button
- Turning off the power for the TV will also turn the power off for this unit automatically.
  If HDD, BD/DVD or SD CARD is being used for dubbing, the power will be turned off after dubbing finishes.

Using HDMI Consumer Electronics Control (activating the function)

1 **Connect this unit to a TV that is HDMI CEC compatible using an HDMI cable**

2 **Change the setting of "HDMI-CEC" to "ON"**

- Check the monitor (TV) setting if the HDMI CEC function does not work.

Memo:
- If you are not using the HDMI CEC function (deactivating), change the setting of "HDMI-CEC" to "OFF".

Note:
- The HDMI CEC function cannot be used if a TV that is not compatible with HDMI CEC has been connected.
- If an HDMI cable is not used for connecting, the HDMI CEC function will not be usable.

Creating a Seamless BD

When titles are imported into the HDD in the HD quality from a video camera, or when edited titles (e.g., after applying scene delete) are dubbed to a disc, seamless playback may not be possible at the joints of scenes. In this case, perform dubbing after executing "SEAMLESS" under the "MODE CHANGE" setting menu.
For details, refer to "Mode conversion" (☞ page 81) .

Creating a seamless BD that uses "MODE CONVERSION" (seamless conversion, recording mode conversion)

- Procedures to create a seamless BDMV

File to import	If you do not want to perform scene delete/chapter delete	If you want to perform scene delete/chapter delete
AVCHD	Recording mode conversion	-
MOV*/MXF*	Conversion not required	Seamless conversion
SD-VIDEO(HD)* HDV	Recording mode conversion after seamless conversion	Recording mode conversion after seamless conversion

SD-VIDEO(HD)* : SD-VIDEO (JVC Everio MPEG2 TS)

MOV*　　　 : MOV format files recorded in the SP mode and HQ mode using the JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM series

MXF*　　　 : MXF format files recorded in the SP mode and HQ mode using JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM650

- Procedures to create a seamless BDAV

File to import	If you do not want to perform scene delete/chapter delete	If you want to perform scene delete/chapter delete
AVCHD	Conversion not required	-
MOV*/MXF*	Conversion not required	Seamless conversion
SD-VIDEO(HD)* HDV	Seamless conversion	Seamless conversion

SD-VIDEO(HD)* : SD-VIDEO (JVC Everio MPEG2 TS)

MOV*　　　 : MOV format files recorded in the SP mode and HQ mode using the JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM series

MXF*　　　 : MXF format files recorded in the SP mode and HQ mode using JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM650

Memo:
- During dubbing to BDMV, the recording mode cannot be specified.
- Do not perform recording mode conversion before seamless conversion. Otherwise, seamless conversion cannot be performed.
- If scene delete or chapter delete is applied to a title, it cannot be dubbed to a BDMV disc without performing seamless conversion.
- For titles that are imported into the HDD in the SD picture quality, you can create a seamless DVD by setting "SEAMLESS PLAYBACK" under the "Setting Menu List" to "ON", followed by performing re-encode dubbing.
For details, refer to "SEAMLESS PLAYBACK" (☞ page 85) .

Troubleshooting

Problem	Symptom	Action	Reference Page
Power does not turn on	The "HELLO" message remains displayed, and the unit does not start up.	Press the [RESET] button on the front panel. If it does not start up, stop using this unit, unplug the plug from the outlet, and bring it to the dealer or Service Center.	(☞ page 16)
The cooling fan motor is not working	"FAN LOCKED" is displayed on the display window of this unit.	The cooling fan motor is spoiled. Stop using the unit, remove the power plug from the outlet, and consult the dealer or Service Center.	-
Power turns off automatically	The "AUTO POWER (OFF)" setting is set to "2 HOURS" or "6 HOURS".	Change the "AUTO POWER (OFF)" setting of "SETUP" to "OFF".	(☞ page 83)
	The temperature of this unit has rose, and operation has ceased for safety purposes.	Place this unit in an area with ventilation if possible, and wait approximately 30 minutes for it to cool down.	-
The power turns on automatically	The "HDMI-CEC" setting is set to "ON".	Change the "HDMI-CEC" setting of "CONNECTION" to "OFF".	(☞ page 89)
Input cannot be switched	i.LINK connection is currently being established.	Cancel importing, or wait until the connection ends.	(☞ page 41)
There are no video images on the monitor	Monitor only supports RGB input.	Set "HDMI --> DVI COLOR" in the setting menu to "RGB FIX".	(☞ page 89)
	"HDCP ERROR" is displayed.	Use a monitor that supports HDCP.	-
	Video images may be distorted during reencoding/dubbing when the monitor (TV) is connected to this unit using an HDMI cable, or when the screen resolution is set to "1080p".	This is not a malfunction. Change the "HDMI OUTPUT RESOLUTION" to a value other than "1080p" (e.g., 1080i) if you find it annoying.	(☞ page 89)
Screen is distorted	Video images may be distorted during reencoding/dubbing when the monitor (TV) is connected to this unit using an HDMI cable, or when the screen resolution is set to "1080p".	This is not a malfunction. Change the "HDMI OUTPUT RESOLUTION" to a value other than "1080p" (e.g., 1080i) if you find it annoying.	(☞ page 27)
There is no audio sound	The "HDMI AUDIO OUTPUT" setting is set to "OFF".	Change the "HDMI AUDIO OUTPUT" setting of "CONNECTION" to "ON".	(☞ page 89)
	The amplifier does not support "BITSTREAM" output.	Use an amplifier that supports bitstream output.	(☞ page 87)
Dubbing cannot be performed	The title to be dubbed is copyright protected.	Titles that are copyright-protected cannot be dubbed. Select a title that is not copyright-protected.	(☞ page 27)
	A finalized disc has been inserted.	Insert a disc that has not been finalized.	-
	The disc is not formatted.	Format the disc.	(☞ page 28)
	The SD card is write-protected.	Remove the SD card and remove the write protect lock.	(☞ page 30)

Troubleshooting (Continued)

Problem	Symptom	Action	Reference Page
Dubbing cannot be performed	"NEXT" cannot be selected when a title that cannot be dubbed is chosen.	• Dubbing may start when you return to recording mode selection to change the recording mode. • Some titles cannot be dubbed depending on their recording mode and format. You can distinguish titles that cannot be dubbed by selecting the titles one by one.	(☞ page 31)
	"NEXT" cannot be selected due to insufficient disc space.	• Dubbing may start when you return to recording mode selection to change the recording mode. • Dubbing may start after reducing the number of titles to be dubbed. • Dubbing may start by switching to a dual-layer disc.	(☞ page 31)
	"NEXT" cannot be selected as a dubbing title list is not created.	Select at least one content for dubbing.	(☞ page 35) (☞ page 45)
High-speed dubbing cannot be performed for EP mode titles	Dubbing cannot be performed and "SOME TITLES CANNOT BE DUBBED" is displayed when trying to perform high-speed dubbing of a EP mode title to a DVD-VIDEO mode disc.	Set "HIGH-SPEED DUBBING" in the settings menu to "4:3" before recording or importing in the EP mode.	(☞ page 27) (☞ page 85)
Data cannot be imported	The title to be dubbed is copyright protected.	Titles that are copyright-protected cannot be dubbed. Select a title that is not copyright-protected.	(☞ page 27)
	The number of titles stored in the HDD has reached the maximum amount.	Delete or combine the titles in the HDD to reduce the amount of titles to less than 500.	(☞ page 70)
	The remaining space on the HDD is running out.	Delete the titles in the HDD to increase the remaining space.	(☞ page 70)
	"START" cannot be selected when a title that cannot be dubbed is chosen.	• When importing data from a BD/DVD to the HDD, selection of "START" may be enabled after you return to recording mode selection to change the recording mode. • Some titles cannot be dubbed depending on their recording mode and format. You can distinguish titles that cannot be dubbed by selecting the titles one by one.	(☞ page 31)
	"START" cannot be selected due to insufficient HDD space or upon reaching the maximum number of titles in the HDD.	Delete unwanted titles from the HDD. Alternatively, format the HDD.	(☞ page 70) (☞ page 11)
	"START" cannot be selected as a dubbing title list is not created.	Select at least one content for dubbing.	(☞ page 35) (☞ page 40)
The title/group name cannot be changed	Protection of the title/group name is turned on.	Turn protection off for the title/group name.	(☞ page 72)

Problem	Symptom	Action	Reference Page
The remote control unit does not work	The battery of the remote control unit has run out.	Change new batteries for the remote control.	(☞ page 19)
	The remote control code of this unit and the remote control unit are different from each other.	Change the "REMOTE CONTROL CODE" for the remote control to the same number used by this unit.	(☞ page 19)
	A "LOCKED" message appears on the display window of the unit.	Disable the "mode lock" setting.	(☞ page 91)
The disc cannot be ejected	A "LOCKED" message appears on the display window of the unit.	Disable the "tray lock" setting.	(☞ page 91)
	The "READING" message does not disappear from the unit's display window, and the disc tray does not open when the [▲] button is pressed.	Pressing the [▲] button at the front of the unit for five seconds or longer opens the disc tray. To close the disc tray after removing the disc, press the [⏻/l] button, and wait until the tray is closed and power is turned off. (If the disc tray does not open after pressing the [▲] button for five seconds or longer, consult our authorized dealer.)	-
The disc cannot be played	A disc that cannot be played on this unit is inserted.	Confirm that the disc is playable on this unit.	(☞ page 13)
	The region code of the BD or DVD is different from that of this unit.	Confirm that the region number is playable on this unit.	(☞ page 13)
	An unfinalized DVD disc that is recorded using another device is inserted.	Use that device to finalize the disc.	-
Output is at "480i" (for NTSC) or "576i" (for PAL) regardless of the component output resolution setting	The component output setting may be changed to "480i" (for NTSC) or "576i" (for PAL) after viewing at a setting of 1080/24p using an HDMI connection.	Turn the power off, and turn it on again.	-
The aspect ratios of the HDMI output and component output are different	When two monitors are connected respectively to the HDMI output and component output terminals of this unit, the screen aspect ratio of the component output may not be appropriate if "VIDEO PRIORITY MODE" is set to "HDMI".	When two monitors are connected simultaneously, users are recommended to set "VIDEO PRIORITY MODE" to "COMPONENT".	(☞ page 88)
Mode Conversion cannot be performed although "SEAMLESS" in the "MODE CHANGE" menu is set to "AFTER POWER OFF" and the power is turned off.	Turning off the power may not start mode conversion even if "AFTER POWER OFF" in "SEAMLESS" is set and mode conversion is interrupted by the power being turned on while mode conversion is in progress.	Cancel mode conversion.	(☞ page 81)

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Frequently Asked Questions on Dubbing

Problem	Symptom	Cause	Action	Reference Page
Unable to dub from HDD	"SOME TITLES CANNOT BE DUBBED" is displayed.	• Titles that cannot be dubbed at high speed are selected after "HIGH-SPEED DUBBING" has been selected at the recording mode selection.	• Select a setting other than "HIGH-SPEED DUBBING" at the recording mode selection. • Remove titles that cannot be dubbed at high speed from the dubbing title list.	(☞ page 44) (☞ page 45) Memo (☞ page 113)
		• Titles that are recorded using "XP/SP/LP/EP" mode are selected after "BDAV" has been selected as the disc format.	• Change the disc format to DVD-VR or DVD-Video. • For BDAV format, change the recording mode to "XP/SP/LP/EP". • Remove titles that cannot be dubbed from the dubbing title list.	(☞ page 27)
		• The total recording time of the titles selected in the dubbing title list has exceeded the recordable capacity of the disc.	• Select other recording mode at the recording mode selection. • Reselect the titles in the dubbing title list such that the total recording time can fit within the recordable capacity of the disc. • Change to a dual-layer disc.	(☞ page 31)
		• The total number of the selected titles in the dubbing title list and the recorded titles on the media to dub to has exceeded the limit.	• Reselect the titles in the dubbing title list such that the total number of titles is within the allowable quantity of the media to dub to.	(☞ page 45) Memo (☞ page 113)
		• The total number of chapters of the selected titles in the dubbing title list and the recorded titles on the media to dub to has exceeded the limit.	• Reselect the titles in the dubbing title list such that the total number of chapters is within the allowable quantity of the media to dub to.	(☞ page 75) Memo (☞ page 113)
		• Titles that are copyright-protected are selected.	• Titles that are copyright-protected cannot be dubbed.	(☞ page 26)
		• An attempt has been made to dub titles with MPEG audio using the BDMV format.	• Change the disc format to BDAV. • Perform mode conversion of the title.	(☞ page 28) (☞ page 81)
		• An attempt has been made to dub EP mode titles, recorded with "VIDEO MODE RECORDING ASPECT" under "HIGH-SPEED DUBBING" in the settings menu set to a setting other than "4:3", to a DVD-Video format disc.	• To dub EP mode titles, use titles that are recorded or imported with "VIDEO MODE RECORDING ASPECT" under "HIGH-SPEED DUBBING" in the settings menu set to "4:3".	(☞ page 85)

Memo:
When "SOME TITLES CANNOT BE DUBBED" appears after selecting high-speed dubbing, check the followings.
- Titles that are copyright-protected cannot be dubbed.
- Titles that are recorded in a recording mode that does not support high-speed dubbing cannot be dubbed.
  (When performing high-speed dubbing in DVD-Video format, titles recorded in a mode such as AF mode cannot be dubbed.)
- Content for which editing, such as deleting of scene, has been performed cannot be dubbed at high speed using BDMV format.
  (High-speed dubbing is made possible by performing mode conversion.)
- There is a limit to the number of titles and chapters recordable depending on the type of disc and format used.

  DVD-Video   : Maximum 99 titles and 999 chapters (maximum 99 chapters per title)

  DVD-VR   : Maximum 99 titles and 999 chapters (maximum 999 chapters per title)

  BDAV   : Maximum 200 titles and 999 chapters (maximum 100 chapters per title)

  BDMV   : Maximum 99 titles and 99 x 999 chapters

Problem	Symptom	Cause	Action	Reference Page
Unable to import to HDD	"SOME TITLES CANNOT BE DUBBED" is displayed.	• HDD memory is insufficient.	• Delete unwanted titles recorded in the HDD.	(☞ page 70)
		• The amount of titles in the HDD has reached the maximum amount.	• Delete unwanted titles recorded in the HDD. • A maximum of 499 titles are recordable to the HDD.	(☞ page 70)
		• Titles that are copyright-protected are selected.	• Titles that are copyright-protected cannot be imported.	(☞ page 26)

Remarks

■ VIDEO output

When HD-quality contents are output from the [VIDEO] terminal, the resolution will deteriorate.

■ Image quality

When the video is down converted during playback, the image quality may be lowered.
Noise may appear at the bottom of the screen if the video is dubbed from DVC_pro.

Specifications

■ General

Power requirement
  SR-HD1700US/SR-HD1350US:
  AC 120 V $\sim$, 60 Hz
  SR-HD1700EU/SR-HD1350EU/SR-HD1700ER/
  SR-HD1700AG:
  AC 220 V - 240 V $\sim$, 50 Hz / 60 Hz
Power consumption

| Power on | : 36 W |
| Power off | : 0.5 W |

Laser specification
  For CD

| Wavelength | : 779 nm to 789 nm |
| Output | : No hazardous radiation is emitted with the safety protection. |

  For DVD

| Wavelength | : 656 nm to 663 nm |
| Output | : No hazardous radiation is emitted with the safety protection. |

  For BD

| Wavelength | : 400 nm to 410 nm |
| Output | : No hazardous radiation is emitted with the safety protection. |

Temperature

| Operating | : 5 °C to 35 °C (41 °F to 95 °F) |
| Storage | : -20 °C to 60 °C (-4 °F to 140 °F) |

Operating position	: Horizontal only
Dimensions (W x H x D)	: 435 mm x 70 mm x 351 mm (17-1/10" x 2-6/8" x 13-13/16")
Weight	: 4.9 k$_g$ (10.8 lbs)

■ Input/Output

Video input	: 1.0 V(p-p), 75 Ω (BNC)
Video output	: 1.0 V(p-p), 75 Ω (BNC)
Audio input	: Max 2 Vrms / 10 kΩ (pin jack)
Audio output	: 2 Vrms / 10 kΩ terminated (pin jack)

S-video input

| Y | : 1.0 V(p-p), 75 Ω |
| C | : SR-HD1700US/SR-HD1350US: 0.3 V(p-p), 75 Ω SR-HD1700EU/SR-HD1350EU/ SR-HD1700ER/SR-HD1700AG: 0.286 V(p-p), 75 Ω |

S-video output

| Y | : 1.0 V(p-p), 75 Ω |
| C | : SR-HD1700US/SR-HD1350US: 0.3 V(p-p), 75 Ω SR-HD1700EU/SR-HD1350EU/ SR-HD1700ER/SR-HD1700AG: 0.286 V(p-p), 75 Ω |

DV	: 4-pin for HDV/DV IN
Remote Input	: ϕ 3.5 mm Jack
Serial Command	: D-SUB 9-PIN

Component video output:

Y	: 1.0 V(p-p), 75 Ω
CB/CR, PB/PR	: 0.7 V(p-p), 75 Ω
LAN	: 10BASE-T/100BASE-TX

Memo:
• Corresponding to copy protection
• Only SR-HD1700 is equipped with the LAN terminal.

Digital audio output:

| Optical | : PCM, AAC, Dolby Digital and DTS |

HDMI output
  19-pin type A
  (Deep Color, x.v.Color, Ver1.3)
USB terminal
  USB2.0

■ SD memory card

SD, SDHC

■ HDD Deck

500 GB (SR-HD1700)
320 GB (SR-HD1350)
Recording compression system
  Video
    MPEG2 (VBR)
    H.264/AVC
  Audio
    Dolby Digital (2 ch)
    Linear PCM (2ch, XP mode only)
    MPEG1 Audio Layer2 (recorded in 2ch)

■ BD/DVD Deck

Recording compression system
  Video
    MPEG2 (CBR/VBR)
    H.264/AVC
  Audio
    Dolby Digital (2 ch)
    Linear PCM (2ch, XP mode only)
    MPEG1 Audio Layer2 (recorded in 2ch)
Region code

| BD | : Region *1 |
| DVD | : *2 |

*1: SR-HD1700US/SR-HD1350US/SR-HD1700AG: A,
    SR-HD1700EU/SR-HD1350EU: B, SR-HD1700ER: C

*2: SR-HD1700US/SR-HD1350US: 1,
    SR-HD1700EU/SR-HD1350EU: 2, SR-HD1700AG: 3,
    SR-HD1700ER: 5

■ ACCESSORIES

Provided accessories
• AC power cord (SR-HD1700US/SR-HD1350US/
  SR-HD1700ER/SR-HD1700AG)
• AC power cord x 2 (for continental Europe, U.K.)
  (SR-HD1700EU/SR-HD1350EU)
• Infrared remote control unit
• "AA" battery x 2
• CD-ROM

> **Design and specifications subject to change without notice.**

JVC

Notes on Direct Recording to DVD Discs
(SR-HD1700US/EU/AG/ER)

- Direct recording in DVD-Video format to a single-sided, dual layer DVD-R disc is not allowed.
  Direct recording in DVD-Video format to a single-sided, single layer DVD-R disc is allowed.
- For direct recording in DVD-Video format, chapters that are assigned during recording (through pause operation, pressing of Mark key or Auto Marking function) will not be valid while the disc is finalized.
  After finalization, chapters are assigned automatically at intervals of 5 to 6 minutes.
- For direct recording in BDMV format, titles are divided at the point where recording is paused or canceled.

MOV Files Recorded on JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM850/GY-HM890
(SR-HD1700US/EU/AG/ER)

- MOV files that are recorded on the SD card with "Recording in DCIM Folder" on GY-HM850/GY-HM890 set to "ON" cannot be imported from the USB terminal or SD card slot of this unit.
  To import using this unit, set "Recording in DCIM Folder" on GY-HM850/GY-HM890 to "OFF" before recording.
  For details on how to set "Recording in DCIM Folder" on GY-HM850/GY-HM890, refer to the instruction manual of GY-HM850/GY-HM890.

Notes on Importing Files Using the LAN Terminal
(SR-HD1700US/EU/AG/ER)

- When performing FTP transfer with multiple files selected, the files may not be properly imported.
  In this case, try to transfer one file at a time.
- If file transfer is stopped at the FTP client, files that are not playable may be imported to this unit.
  These files can be deleted on the Playback Navigation screen of this unit.

NETWORK SETTING
(SR-HD1700US/EU/AG/ER)

- FTP user setting has been added to the Settings Menu/ "NETWORK SETTING".
- The username and password can be set in the "FTP USER SETTING".
- Select "FTP USER SETTING" and press the [OK] button on the remote control to display the "USERNAME INPUT" screen.
  Enter the username and press the colored (*1) button on the remote control. This confirms the username and the "PASSWORD INPUT" screen appear.
  Enter the password and press the colored (*1) button on the remote control. This completes the username and the password settings.
  *1 US: Yellow, EU/AG/ER: Blue
- Up to 16 characters can be used for the username and password.
- The username and password are not set at factory default.
- To reset the username and password that have been set, do so using "DEFAULT SETTING" in the "SETUP" menu.

Notes on Importing Data from a LAN-compatible Device to the HDD
(SR-HD1700US/EU/AG/ER)

- MOV files edited on and exported from Final Cut Pro are not supported.

Recording Using External Inputs
(SR-HD1700US/EU/AG/ER)

- SDI input is mentioned in the instruction manual; however, there is no SDI input on this unit.

Remarques sur l'enregistrement direct vers les disques DVD
(SR-HD1700US/EU/AG/ER)

- L'enregistrement direct au format DVD-Vidéo sur un DVD-R simple face à double couche n'est pas autorisé.
  L'enregistrement direct au format DVD-Vidéo sur un DVD-R simple face à simple couche est autorisé.
- Pour l'enregistrement direct au format DVD-Vidéo, les chapitres qui sont attribués pendant l'enregistrement (par une opération de pause, la pression sur la touche de marquage, ou la fonction de marquage automatique) ne seront pas valides lorsque le disque est finalisé.
  Après la finalisation, les chapitres sont attribués automatiquement à des intervalles de 5 à 6 minutes.
- Pour l'enregistrement direct au format BDMV, les titres sont divisés à l'endroit où l'enregistrement est suspendu ou annulé.

Fichiers MOV enregistrés sur la JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM850/GY-HM890
(SR-HD1700US/EU/AG/ER)

- Les fichiers MOV enregistrés sur la carte SD avec "Recording in DCIM Folder" sur le GY-HM850/GY-HM890 réglé sur "ON" ne peuvent pas être importés depuis le connecteur USB ou la fente pour carte SD de cet appareil.
  Pour les importer à l'aide de cet appareil, réglez "Recording in DCIM Folder" sur le GY-HM850/GY-HM890 sur "OFF" avant l'enregistrement.
  Pour plus d'informations sur la manière de configurer "Recording in DCIM Folder" sur le GY-HM850/GY-HM890, reportez-vous au manuel d'instructions du GY-HM850/GY-HM890.

Remarques sur l'importation des fichiers à l'aide de le connecteur LAN
(SR-HD1700US/EU/AG/ER)

- Lorsque vous effectuez le transfert FTP avec plusieurs fichiers sélectionnés, les fichiers peuvent ne pas être importés correctement.
  Dans ce cas, essayez de transférer un fichier à la fois.
- Si le transfert de fichier s'arrête au client FTP, les fichiers qui ne sont pas lisibles peuvent être importés vers cet appareil.
  Ces fichiers peuvent être supprimés sur l'écran Navigation dans la lecture de cet appareil.

PARAMETRES RESEAU
(SR-HD1700US/EU/AG/ER)

- Le réglage utilisateur FTP a été ajouté au Menu de Réglages/ "PARAMETRES RESEAU".
- Le nom d'utilisateur et le mot de passe peuvent être définis dans "RÉGLAGE UTILISATEUR FTP".
- Sélectionnez "RÉGLAGE UTILISATEUR FTP" et appuyez sur la touche [OK] de la télécommande pour afficher l'écran "SAISIE DU NOM D'UTILISATEUR".
  Saisissez le nom d'utilisateur et appuyez sur la touche de couleur (*1) de la télécommande. Ceci confirme le nom d'utilisateur et l'écran "SAISIE DU MOT DE PASSE" s'affiche.
  Saisissez le mot de passe et appuyez sur la touche de couleur (*1) de la télécommande. Ceci termine le paramétrage du nom d'utilisateur et du mot de passe.
  *1 US : Jaune, UE/AG/ER : Bleu
- Jusqu'à 16 caractères peuvent être utilisés pour le nom d'utilisateur et le mot de passe.
- Le nom d'utilisateur et le mot de passe ne sont pas définis à la sortie d'usine.
- Pour réinitialiser le nom d'utilisateur et le mot de passe qui ont été définis, utilisez "REGLAGE PAR DEFAUT" dans le menu "CONFIGURATION".

Remarques sur l'importation de données depuis un périphérique compatible LAN sur le HDD
(SR-HD1700US/EU/AG/ER)

- Les fichiers MOV édités sur et exportés depuis Final Cut Pro ne sont pas pris en charge.

Enregistrement à l'aide d'entrées externes
(SR-HD1700US/EU/AG/ER)

- L'entrée SDI est mentionnée dans le manuel d'instruction ; cependant il n'y a pas d'entrée SDI sur cet appareil.

ESPAÑOL

Notas sobre la grabación directa a discos DVD
(SR-HD1700US/EU/AG/ER)

- La grabación directa en formato de vídeo DVD a un disco DVD-R de un solo lado y de doble capa no está permitida.
  Es posible la grabación directa en formato de vídeo DVD a un disco DVD-R de un solo lado y de una capa.
- Durante la grabación directa en formato de vídeo DVD, los capítulos asignados durante la grabación (a través de la operación de pausa, pulsando la tecla de marca, o a través de la función de marcación automática) no serán válidos durante la finalización del disco.
  Después de la finalización, los capítulos se asignan automáticamente a intervalos de 5 a 6 minutos.
- Para la grabación directa en formato BDMV, los títulos se dividen en el punto en el que la grabación está en pausa o se cancela.

Archivos MOV grabados en la JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM850/GY-HM890
(SR-HD1700US/EU/AG/ER)

- Los archivos MOV grabados en la tarjeta SD con la opción "Recording in DCIM Folder" en GY-HM850/GY-HM890 ajustada en "ON", no se pueden importar desde el terminal USB ni desde la ranura para tarjetas SD de esta unidad.
  Para importar mediante esta unidad, ajuste en "Recording in DCIM Folder" en GY-HM850/GY-HM890 en "OFF" antes de grabar.
  Para obtener más información sobre cómo ajustar la opción "Recording in DCIM Folder" en GY-HM850/GY-HM890, consulte el manual de instrucciones de GY-HM850/ GY-HM890.

Notas sobre la importación de archivos mediante el terminal LAN
(SR-HD1700US/EU/AG/ER)

- Al realizar transferencias FTP con múltiples archivos seleccionados, los archivos podrían no importarse correctamente.
  En ese caso, intente transferir los archivos uno a uno.
- Si la transferencia de archivos se detiene en el cliente FTP, los archivos no aptos para reproducción podrán importarse a esta unidad.
  Estos archivos pueden eliminarse desde la pantalla Playback Navigation de esta unidad.

AJUSTE DE RED
(SR-HD1700US/EU/AG/ER)

- Se ha añadido el ajuste de usuario FTP al Menú de configuración/"AJUSTE DE RED".
- Se pueden ajustar el nombre de usuario y la contraseña en "CONFIGURACIÓN USUARIO FTP".
- Seleccione "CONFIGURACIÓN USUARIO FTP" y pulse el botón [OK] del mando a distancia para visualizar la pantalla de "INTRODUCCIÓN DE NOMBRE USUARIO".
  Introduzca el nombre de usuario y pulse el botón de color (*1) del mando a distancia. Se confirma el nombre de usuario y aparece la pantalla de "INTRODUCCIÓN DE CONTRASEÑA".
  Introduzca la contraseña y pulse el botón de color (*1) del mando a distancia. De este modo se completa el ajuste del nombre de usuario y la contraseña.
  *1 US: Amarillo, EU/AG/ER: Azul
- Se puede utilizar hasta un máximo de 16 caracteres para el nombre de usuario y la contraseña.
- El nombre de usuario y la contraseña no están configurados en los ajustes de fábrica.
- Para restablecer el nombre de usuario y la contraseña configurados, utilice "CONFIG DETERMINADA" en el menú "CONFIGURACIÓN".

Notas sobre la importación de datos desde un dispositivo compatible con LAN a la unidad de disco duro
(SR-HD1700US/EU/AG/ER)

- Los archivos MOV editados en y exportados desde Final Cut Pro no son compatibles.

Grabar usando entradas externas
(SR-HD1700US/EU/AG/ER)

- La entrada SDI se menciona en el manual de instrucciones; sin embargo, no hay entrada SDI en esta unidad.

DEUTSCH

Hinweise für die direkte Aufnahme auf DVD-Discs
(SR-HD1700US/EU/AG/ER)

- Die Aufnahme im DVD-Video-Format auf eine einseitige Dual-Layer DVD-R-Disc ist nicht zulässig.
  Die Aufnahme im DVD-Video-Format auf eine einseitige Single-Layer DVD-R-Disc ist zulässig.
- Für die direkte Aufnahme im DVD-Video-Format sind Kapitel, die während der Aufnahme zugewiesen werden (durch die Pause-Funktion, Drücken der Markierungstaste oder die automatische Markierungsfunktion), nicht gültig, wenn die Disc finalisiert wird.
  Nach der Finalisierung werden automatisch Kapitel im Abstand von 5 bis 6 Minuten zugewiesen.
- Für direkte Aufnahmen im BDMV-Format werden die Titel an dem Punkt geteilt, an dem die Aufnahme unterbrochen oder abgebrochen wurde.

Auf dem JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM850/GY-HM890 aufgenommene MOV-Dateien
(SR-HD1700US/EU/AG/ER)

- Die MOV-Dateien, die auf der SD-Karte mit „Recording in DCIM Folder" auf „ON" festgelegter Option auf dem GY-HM850/GY-HM890 aufgenommen wurden, können nicht vom USB-Abschluss oder dem SD-Kartenschlitz dieses Geräts importiert werden.
  Um den Import mithilfe dieses Geräts zu ermöglichen, legen Sie vor der Aufnahme die Option „Recording in DCIM Folder" auf dem GY-HM850/GY-HM890 auf „OFF" fest.
  Die Einzelheiten zur Einstellung der Option „Recording in DCIM Folder" auf dem GY-HM850/GY-HM890 finden Sie in der Bedienungsanleitung des GY-HM850/GY-HM890.

Hinweise zum Importieren von Dateien mithilfe des LAN-Anschlusses
(SR-HD1700US/EU/AG/ER)

- Wenn Sie die FTP-Übertragung mit mehreren ausgewählten Dateien ausführen, werden die Dateien möglicherweise nicht ordnungsgemäß importiert.
Versuchen Sie in diesem Fall, die Dateien einzeln zu übertragen.
- Wenn die Dateiübertragung am FTP-Client angehalten wird, werden möglicherweise Dateien, die nicht wiedergegeben werden können, auf dieses Gerät importiert.
Diese Dateien können auf dem Wiedergabenavigationsbildschirm dieses Geräts gelöscht werden.

NETZWERKEINSTELLUNG
(SR-HD1700US/EU/AG/ER)

- Die FTP-Benutzereinstellung wurde zum Einstellungsmenü/ „NETZWERKEINSTELLUNG" hinzugefügt.
- Der Benutzername und das Passwort kann in der „FTP-BENUTZEREINSTELLUNG" festgelegt werden.
- Wählen Sie „FTP-BENUTZEREINSTELLUNG" und drücken Sie die [OK]-Taste auf der Fernbedienung, um den Bildschirm „BENUTZERNAMEN EINGEBEN" anzuzeigen.
Geben Sie den Benutzernamen ein und drücken Sie die Farbtaste (*1) auf der Fernbedienung. Der Benutzername wird bestätigt und der Bildschirm „PASSWORT EINGEBEN" erscheint.
Geben Sie das Passwort ein und drücken Sie die Farbtaste (*1) auf der Fernbedienung. Damit sind die Einstellungen des Benutzernamens und des Passworts abgeschlossen.
  *1 US: Gelb, EU/AG/ER: Blau
- Für den Benutzernamen und das Passwort können bis zu 16 Zeichen verwendet werden.
- Der Benutzername und das Passwort sind werkseitig nicht eingestellt.
- Verwenden Sie „STANDARDEINSTELLUNGEN" im Menü „EINSTELLUNGEN", um den festgelegten Benutzernamen und das Passwort zurückzusetzen.

Hinweise zum Importieren von Daten von einem netzwerkfähigen Gerät auf die HDD
(SR-HD1700US/EU/AG/ER)

- Von Final Cut Pro bearbeitete und exportierte MOV-Dateien werden nicht unterstützt.

Aufnahme über externe Eingänge
(SR-HD1700US/EU/AG/ER)

- In der Bedienungsanleitung wird ein SDI-Eingang erwähnt, es gibt jedoch keinen SDI-Eingang an diesem Gerät.

ITALIANO

Note sulla registrazione diretta su dischi DVD
(SR-HD1700US/EU/AG/ER)

- La registrazione diretta in formato DVD-Video su un disco DVD-R dual layer a lato unico non è ammessa.
La registrazione diretta in formato DVD-Video su un disco DVD-R single layer a lato unico è ammessa.
- Per registrare direttamente in formato DVD-Video, i capitoli che vengono assegnati durante la registrazione (attraverso la messa in pausa, premendo il tasto Mark o la funzione Auto Marking) non saranno validi mentre il disco viene finalizzato. Dopo la finalizzazione, i capitoli vengono assegnati automaticamente a intervalli da 5 a 6 minuti.
- Per registrare direttamente in formato BDMV, i titoli sono divisi nel punto in cui la registrazione è messa in pausa o disattivata.

File MOV registrati sulla JVC ProHD MEMORY CARD CAMERA RECORDER GY-HM850/GY-HM890
(SR-HD1700US/EU/AG/ER)

- I file MOV che sono stati registrati sulla scheda SD con "Recording in DCIM Folder" su GY-HM850/GY-HM890 impostato su "ON" non possono essere importati dal terminale USB o dall'alloggiamento per scheda SD di questa unità.
Per importare utilizzando questa unità, impostare "Recording in DCIM Folder" su GY-HM850/GY-HM890 su "OFF" prima della registrazione.
Per dettagli su come impostare "Recording in DCIM Folder" su GY-HM850/GY-HM890, fare riferimento al manuale di istruzioni di GY-HM850/GY-HM890.

Note sull'importazione di file utilizzando il terminale LAN
(SR-HD1700US/EU/AG/ER)

- Quando si esegue il trasferimento FTP con più file selezionati, i file potrebbero non venire importati correttamente.
In questo caso, cercare di trasferire un file alla volta.
- Se il trasferimento dei file viene arrestato al client FTP, potrebbero essere importati in questa unità file che non sono riproducibili.
I file possono essere eliminati sulla schermata di navigazione di questa unità.

IMPOSTAZIONE DI RETE
(SR-HD1700US/EU/AG/ER)

- L'impostazione utente FTP è stata aggiunta al menu Impostazioni/"IMPOSTAZIONE DI RETE".
- Il nome utente e la password possono essere impostati in "IMPOSTAZIONE UTENTE FTP".
- Selezionare "IMPOSTAZIONE UTENTE FTP" e premere il pulsante [OK] sul telecomando per visualizzare la schermata "IMMISSIONE NOME UTENTE".
Immettere il nome utente e premere il pulsante colorato (*1) sul telecomando. Ciò conferma il nome utente, quindi appare la schermata "IMMISSIONE PASSWORD".
Immettere la password e premere il pulsante colorato (*1) sul telecomando. Ciò completa le impostazioni del nome utente e della password.
  *1 US: Giallo, UE/AG/ER: Blu
- Possono essere utilizzati fino a 16 caratteri per il nome utente e la password.
- Il nome utente e la password non sono impostati su valori predefiniti in fabbrica.
- Per ripristinare il nome utente e la password che sono stati impostati, farlo usando "IMPOSTAZIONI PREDEFINITE" nel menu "IMPOSTAZIONI".

Note sull'importazione di dati da un dispositivo compatibile LAN all'HDD
(SR-HD1700US/EU/AG/ER)

- I file MOV modificati su Final Cut Pro e esportati dallo stesso non sono supportati.

Registrazione tramite ingressi esterni
(SR-HD1700US/EU/AG/ER)

- L'ingresso SDI è indicato nel manuale di istruzioni; tuttavia, non vi è alcun ingresso SDI su questa unità.

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JVC